



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC Handels GmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Number               | ARP54344_P050-Biotin                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Product Page                 | <a href="http://www.avivasysbio.com/gsr-antibody-n-terminal-region-biotin-arp54344-p050-biotin.html">www.avivasysbio.com/gsr-antibody-n-terminal-region-biotin-arp54344-p050-biotin.html</a>                                                                                                                                                                                                                                         |
| Name                         | GSR Antibody - N-terminal region : Biotin (ARP54344_P050-Biotin)                                                                                                                                                                                                                                                                                                                                                                     |
| Protein Size (# AA)          | 522 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Molecular Weight             | 56kDa                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Conjugation                  | Biotin                                                                                                                                                                                                                                                                                                                                                                                                                               |
| NCBI Gene Id                 | 2936                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Host                         | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Clonality                    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Concentration                | 0.5 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Full Name               | Glutathione reductase                                                                                                                                                                                                                                                                                                                                                                                                                |
| Alias Symbols                | GR, GSRD, HEL-75, HEL-S-122m                                                                                                                                                                                                                                                                                                                                                                                                         |
| Peptide Sequence             | Synthetic peptide located within the following region:<br><a href="#">PTIEVSGKKYTAPHILIATGGMPSTPHESQIPGASLGITSDGFFQLEELP</a>                                                                                                                                                                                                                                                                                                         |
| Product Format               | Liquid. Purified antibody supplied in 1x PBS buffer.                                                                                                                                                                                                                                                                                                                                                                                 |
| Reference                    | Senturk,M., (2008) J Enzyme Inhib Med Chem 23 (1), 144-148                                                                                                                                                                                                                                                                                                                                                                           |
| Description of Target        | GSR belongs to the class-I pyridine nucleotide-disulfide oxidoreductase family. It maintains high levels of reduced glutathione in the cytosol. Both glutathione and glutathione reductase are inducible by D3T, and that upregulation of GSH biosynthesis underlies D3T-mediated cytoprotection against ROS/RNS-elicited injury to human vascular smooth muscle cells.                                                              |
| Protein Interactions         | SUMO1; CNDP2; GINS2; PROSC; AHSA1; NDRG1; DDX39A; NAMPT; KYNU; DDX39B; RPS6KA1; PEPD; MVD; LDHA; HSPD1; GBP2; EEF2; ADSS; C11orf49; UBC; FOLR1; ISG15; ELAVL1; SUMO4; PJA1; OCM; GSR;                                                                                                                                                                                                                                                |
| Reconstitution and Storage   | All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding. |
| Datasheets/Manuals           | Printable datasheet for <a href="#">anti-GSR (ARP54344_P050-Biotin) antibody</a>                                                                                                                                                                                                                                                                                                                                                     |
| Blocking Peptide             | For anti-GSR (ARP54344_P050-Biotin) antibody is <a href="#">Catalog # AAP54344</a> (Previous Catalog # AAPP31092)                                                                                                                                                                                                                                                                                                                    |
| Immunogen                    | The immunogen is a synthetic peptide directed towards the N terminal region of human GSR                                                                                                                                                                                                                                                                                                                                             |
| Uniprot ID                   | <a href="#">P00390</a>                                                                                                                                                                                                                                                                                                                                                                                                               |
| Protein Name                 | Glutathione reductase, mitochondrial                                                                                                                                                                                                                                                                                                                                                                                                 |
| Sample Type Confirmation     | GSR is supported by BioGPS gene expression data to be expressed in 721_B, HepG2                                                                                                                                                                                                                                                                                                                                                      |
| Protein Accession #          | <a href="#">NP_000628</a>                                                                                                                                                                                                                                                                                                                                                                                                            |
| Purification                 | Affinity Purified                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Nucleotide Accession #       | <a href="#">NM_000637</a>                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Symbol                  | <a href="#">GSR</a>                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Predicted Species Reactivity | Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit                                                                                                                                                                                                                                                                                                                                                                               |
| Application                  | IHC, WB                                                                                                                                                                                                                                                                                                                                                                                                                              |

|                                                               |                                                                                                    |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| <b>Predicted Homology<br/>Based on Immunogen<br/>Sequence</b> | Cow: 93%; Dog: 93%; Guinea Pig: 100%; Horse: 86%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 93% |
| <b>Image 1</b>                                                |                   |

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.  
Optimal conditions of its use should be determined by end users.