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# GUK1 Antibody - middle region : HRP (ARP54358\_P050-HRP)

Data Sheet

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Number                                 | ARP54358_P050-HRP                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Product Page                                   | <a href="http://www.avivasysbio.com/guk1-antibody-middle-region-hrp-arp54358-p050-hrp.html">www.avivasysbio.com/guk1-antibody-middle-region-hrp-arp54358-p050-hrp.html</a>                                                                                                                                                                                                                                                           |
| Name                                           | GUK1 Antibody - middle region : HRP (ARP54358_P050-HRP)                                                                                                                                                                                                                                                                                                                                                                              |
| Protein Size (# AA)                            | 197 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Molecular Weight                               | 22kDa                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Conjugation                                    | HRP: Horseradish Peroxidase                                                                                                                                                                                                                                                                                                                                                                                                          |
| NCBI Gene Id                                   | 2987                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Host                                           | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Concentration                                  | 0.5 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Full Name                                 | Guanylate kinase 1                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Alias Symbols                                  | GMK                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Peptide Sequence                               | Synthetic peptide located within the following region:<br><a href="#">IEHAEFSGNLYGTSKVAVQAVQAMNRCVLDVDLQGVNRNIKATDLRPIYI</a>                                                                                                                                                                                                                                                                                                         |
| Product Format                                 | Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.                                                                                                                                                                                                                                                                                                                                  |
| Reference                                      | Brady, W.A., (1996) J. Biol. Chem. 271 (28), 16734-16740                                                                                                                                                                                                                                                                                                                                                                             |
| Description of Target                          | GUK1 is essential for recycling GMP and indirectly, cGMP.                                                                                                                                                                                                                                                                                                                                                                            |
| Protein Interactions                           | UBC; HNRNPD; IQCB1;                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 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-GUK1 (ARP54358_P050-HRP) antibody</a>                                                                                                                                                                                                                                                                                                                                                       |
| Blocking Peptide                               | For anti-GUK1 (ARP54358_P050-HRP) antibody is <a href="#">Catalog # AAP54358</a> (Previous Catalog # AAPP31133)                                                                                                                                                                                                                                                                                                                      |
| Immunogen                                      | The immunogen is a synthetic peptide directed towards the middle region of human GUK1                                                                                                                                                                                                                                                                                                                                                |
| Uniprot ID                                     | <a href="#">Q16774</a>                                                                                                                                                                                                                                                                                                                                                                                                               |
| Protein Name                                   | Guanylate kinase                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Protein Accession #                            | <a href="#">NP_000849</a>                                                                                                                                                                                                                                                                                                                                                                                                            |
| Purification                                   | Affinity Purified                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Nucleotide Accession #                         | <a href="#">NM_000858</a>                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Symbol                                    | <a href="#">GUK1</a>                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Predicted Species Reactivity                   | Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Yeast, Zebrafish                                                                                                                                                                                                                                                                                                                                                             |
| Application                                    | WB                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Predicted Homology Based on Immunogen Sequence | Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Yeast: 92%; Zebrafish: 86%                                                                                                                                                                                                                                                                                                   |

**Image 1**



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