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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

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

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

mail@szabo-scandic.com

www.szabo-scandic.com

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

Product Number	ARP53840_P050-Biotin
Product Page	www.avivasysbio.com/pias2-antibody-n-terminal-region-biotin-arp53840-p050-biotin.html
Name	PIAS2 Antibody - N-terminal region : Biotin (ARP53840_P050-Biotin)
Protein Size (# AA)	572 amino acids
Molecular Weight	63kDa
Conjugation	Biotin
NCBI Gene Id	9063
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Protein inhibitor of activated STAT, 2
Alias Symbols	DIP, MIZ1, SIZ2, ARIP3, PIASX, ZMIZ4
Peptide Sequence	Synthetic peptide located within the following region: RELYRRRYPRRTLEGLSDLSTIKSSVFSLDGGSPVEPD LAVAGIHS LPST
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Tsang,H.T., (2006) Genomics 88 (3), 333-346
Description of Target	Pias2 functions as an E3-type small ubiquitin-like modifier (SUMO) ligase, stabilizing the interaction between UBE2I and the substrate, and as a SUMO-tethering factor. It plays a crucial role as a transcriptional coregulation in various cellular pathways, including the STAT pathway, the p53 pathway and the steroid hormone signaling pathway. It seems to be mostly involved in gene silencing. It binds to sumoylated ELK1 and enhances its transcriptional activity by preventing recruitment of HDAC2 by ELK1, thus reversing SUMO-mediated repression of ELK1 transactivation activity. This gene encodes a protein involved in the regulation of transcription factors involved in MAP kinase signaling. The symbol MIZ1 has also been associated with ZBTB17 which is a different gene located on chromosome 1. Two alternatively spliced transcripts encoding different isoforms have been described.
Protein Interactions	HIC1; GOLGA2; GFAP; PHC1; TRIM23; ZBTB8A; SUMO1P1; ACY3; TSR2; NAV2; CCHCR1; CCNDBP1; MAPKAPK2; ZBED1; PIAS2; SUMO1; UBE2I; TP53; PRKAB2; MX2; TRIM63; TRIM55; CTBP1; GTF2I; SUMO2; SUMO3; MYC; DNMT3A; TICAM2; RUFY1; PIAS4; C1QA; ADA; PAXIP1; UBC; PLAGL1; P
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 anti-PIAS2 (ARP53840_P050-Biotin) antibody
Blocking Peptide	For anti-PIAS2 (ARP53840_P050-Biotin) antibody is Catalog # AAP53840 (Previous Catalog # AAPP30679)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human PIAS2
Uniprot ID	O75928-2
Protein Name	E3 SUMO-protein ligase PIAS2
Protein Accession #	NP_775298
Purification	Affinity Purified
Nucleotide Accession #	NM_173206
Gene Symbol	PIAS2
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit

Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 93%; Dog: 92%; Guinea Pig: 92%; Horse: 92%; Human: 100%; Mouse: 92%; Pig: 93%; Rabbit: 92%; Rat: 93%
Image 1	

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.

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6370 Nancy Ridge Dr., Suite 104, San Diego, CA 92121 USA | Tel: (858)552-6979 | info@avivasysbio.com