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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP53839_P050-Biotin
Product Page	www.avivasysbio.com/pias2-antibody-n-terminal-region-biotin-arp53839-p050-biotin.html
Name	Pias2 Antibody - N-terminal region : Biotin (ARP53839_P050-Biotin)
Protein Size (# AA)	580 amino acids
Molecular Weight	63kDa
Conjugation	Biotin
NCBI Gene Id	17344
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Protein inhibitor of activated STAT 2
Alias Symbols	Di, PI, DIP, Dib, Miz, Miz1, PIAS, SIZ2, ARIP3, PIASxb, AI462206, AU018068, PIASxbeta, PIASxalpha, PIASxalpha6
Peptide Sequence	Synthetic peptide located within the following region: PAVQIKIRELYRRRYPRITLEGLCDLSTIKSSVFSLDGSSSPVEPDLPVAG
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
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. Pias2 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. The effects of this transcriptional coregulation, transactivation or silencing may vary depending upon the biological context and PIAS2 isoform studied. However, it seems to be mostly involved in gene silencing. Pias2 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. Isoform PIASx-beta, but not isoform PIASx-alpha, promotes MDM2 sumoylation. Isoform PIASx-alpha promotes PARK7 sumoylation. Isoform PIASx-beta promotes NCOA2 sumoylation more efficiently than isoform PIASx-alpha
Protein Interactions	Pparg; Egr2; Plagl2; Trim32; Trp53; DHX9; Nfkb1; Gtf2i; GTF2IRD1; HDAC3;
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 (ARP53839_P050-Biotin) antibody
Blocking Peptide	For anti-Pias2 (ARP53839_P050-Biotin) antibody is Catalog # AAP53839
Uniprot ID	Q8C5D8-4
Protein Name	E3 SUMO-protein ligase PIAS2
Protein Accession #	NP_001157639
Purification	Affinity Purified
Nucleotide Accession #	NM_001164167
Gene Symbol	Pias2
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 93%; Rabbit: 100%; Rat: 100%; Zebrafish: 83%

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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