

Rabbit PIAS4 Polyclonal Antibody | anti-PIAS4 antibody

PIAS4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40352	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

PIAS4; Polyclonal Antibody; PIAS4 Antibody; PIASY; Piasg; ZMIZ6; PIASG; E3 SUMO-protein ligase PIAS4; PIASy; PIAS-gamma; protein inhibitor of activated STAT; 4; anti-PIAS4 antibody

PRODUCT SPECIFICATIONS

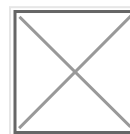
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	PIAS4 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	510
Applicable Applications for anti-PIAS4 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	PIAS4 antibody was raised against a 19 amino acid synthetic peptide near the amino terminus of human PIAS4.
Buffer	PIAS4 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	PIAS4 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of PIAS4 in rat brain tissue with PIAS4 antibody at 5 μg/mL.



WB (Western Blot)

Western blot analysis of PIAS4 in HL60 cell lysate with PIAS4 antibody at 1 μg/mL in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PIAS4 antibody	PIAS4 Antibody: The PIAS (protein inhibitor of activated STAT) proteins play a crucial role as transcriptional coregulators in various cellular pathways, including the STAT, p53 and the steroid hormone signaling pathway. The PIAS protein family includes at least five evolutionarily conserved genes, including PIAS4. The major function of the PIAS proteins is the control of gene transcription and can also act as small ubiquitin-like-modifier (SUMO) E3 ligases. PIAS4 interacts with p53 and blocks its ability to induce Bax and p21 transcription. PIAS4 is also important in the control of the ubiquitin-dependent proteasomal degradation of the Ets-1 transcription factor. PIAS4 has been implicated in the DNA-damage response pathway and is thought to work in combination with PIAS1 for the productive association of 53BP1, BRCA1 and RNF168.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24850133
NCBI GeneID	51588
NCBI Accession #	NP_056981
NCBI GenBank Nucleotide #	NM_015897.3
UniProt Accession #	Q8N2W9; O75926; Q96G19; Q9UN16
Molecular Weight	56,504 Da
NCBI Official Full Name	E3 SUMO-protein ligase PIAS4
NCBI Official Synonym Full Names	protein inhibitor of activated STAT, 4
NCBI Official Symbol	PIAS4
NCBI Official Synonym Symbols	PIASY; Piasg; ZMIZ6; PIAS-gamma
NCBI Protein Information	E3 SUMO-protein ligase PIAS4; zinc finger, MIZ-type containing 6; protein inhibitor of activated STAT protein 4; protein inhibitor of activated STAT protein PIASy; protein inhibitor of activated STAT protein gamma
UniProt Protein Name	E3 SUMO-protein ligase PIAS4
UniProt Gene Name	PIAS4
UniProt Synonym Gene Names	PIASG; PIAS-gamma
UniProt Entry Name	PIAS4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pias4-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40352>