

Rabbit anti-Human, Mouse PIAS4 Polyclonal Antibody | anti-PIAS4 antibody

PIAS4 Antibody

CATALOG # AAA302607	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

PIAS4; Polyclonal Antibody; PIAS4 Antibody; PIAS-gamma; PIASG; PIASy; protein inhibitor of activated STAT protein 4; protein inhibitor of activated STAT protein PIASy; anti-PIAS4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total PIAS4 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	510
Applicable Applications for anti-PIAS4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from Internal of human PIAS4.
Target Name	PIAS4
Preparation and Storage	Store at -20 degree C

IMAGES



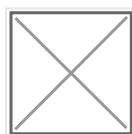
WB (Western Blot)

Western blot analysis of extracts from JK cells (Lane 2), using PIAS4 antibody. The lane on the left is treated with synthesized peptide.



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells, using PIAS4 antibody.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue using PIAS4 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PIAS4 antibody	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. Plays a crucial role as a transcriptional coregulation in various cellular pathways, including the STAT pathway, the p53/TP53 pathway, the Wnt pathway and the steroid hormone signaling pathway. Involved in gene silencing. Mediates sumoylation of CEBPA, PARK7, HERC2, MYB, TCF4 and RNF168. In Wnt signaling, represses LEF1 and enhances TCF4 transcriptional activities through promoting their sumoylations.Zendra E. Zehner, AACR Meeting Abstracts, Apr 2005; 2005: 456. Amador Albor, J. Biol. Chem., Sep 2006; 281: 25850 - 25866. Christina-Maria Hecker, J. Biol. Chem., Jun 2006; 281: 16117 - 16127. Yun Zhao, Stem Cells, Apr 2007; 10.1634.
Product Categories/Family for anti-PIAS4 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	24850133
NCBI GeneID	51588
NCBI Accession #	NP_056981.2
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
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-immunohistochemistry-western-blot-elisa/302607>