

Rabbit anti-Human PIASy1 Polyclonal Antibody | anti-PIAS4 antibody

PIASy1 Antibody (C-term)

CATALOG # AAA289891	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

PIASy1; Polyclonal Antibody; PIASy1 Antibody (C-term); E3 SUMO-protein ligase PIAS4; 632-; PIASy; Protein inhibitor of activated STAT protein 4; Protein inhibitor of activated STAT protein gamma; PIAS-gamma; PIAS4; PIASG; anti-PIAS4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PIASy1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 471-499 amino acids from the C-terminal region of human PIASy1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	471-499
Sequence Length	510
Applicable Applications for anti-PIAS4 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

The PIASy1 polyclonal antibody is used in Western blot to detect recombinant GST-PIASy1 in bacterial cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-PIAS4 antibody	PIASy1 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. This protein plays a crucial role in transcriptional coregulation of various cellular pathways, including the STAT pathway, the p53 pathway, the wnt pathway and the steroid hormone signaling pathway. PIASy1 is involved in gene silencing, and promotes PARK7 sumoylation.
References	Imoto, S., et al., J. Biol. Chem. 278(36):34253-34258 (2003). Chun, T.H., et al., Circ. Res. 92(11):1201-1208 (2003). Subramanian, L., et al., J. Biol. Chem. 278(11):9134-9141 (2003). Liu, B., et al., Proc. Natl. Acad. Sci. U.S.A. 98(6):3203-3207 (2001). Liu, B., et al., Proc. Natl. Acad. Sci. U.S.A. 95(18):10626-10631 (1998).

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	56504
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/piasy1-antibody-immunohistochemistry-western-blot-elisa/289891>