

Rabbit PIAS3 Polyclonal Antibody | anti-PIAS3 antibody

PIAS3 Antibody (C-term)

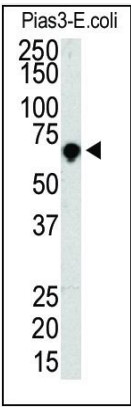
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287623	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

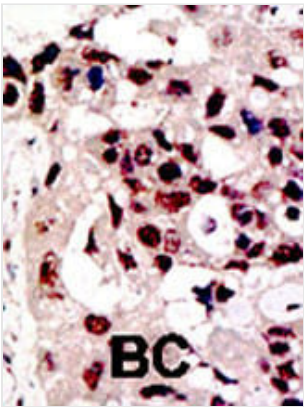
PIAS3; Polyclonal Antibody; PIAS3 Antibody (C-term); E3 SUMO-protein ligase PIAS3; 632-; Protein inhibitor of activated STAT protein 3; anti-PIAS3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PIAS3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 588-619 amino acids of human PIAS3.
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	588-619
Sequence Length	628
Applicable Applications for anti-PIAS3 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
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.



WB (Western Blot)
Western blot analysis of PIAS3 Antibody (C-term) in PIAS3 cell line lysate (35ug/lane). PIAS3 (arrow) was detected using the purified Pab.



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.

ADDITIONAL INFORMATION

Related Product Information for anti-PIAS3 antibody	PIAS3 is a member of the PIAS [protein inhibitor of activated STAT (signal transducer and activator of transcription)] family of transcriptional modulators. The protein functions as a SUMO (small ubiquitin-like modifier)-E3 ligase stabilizing the interaction between UBE2I and the substrate, and as a SUMO-tethering factor, catalyzing the covalent attachment of a SUMO protein to specific target substrates. PIAS3 plays a crucial role as a transcriptional coregulator in various cellular pathways, including the STAT pathway and the steroid hormone signaling pathway. The effects of this transcriptional coregulation, transactivation or silencing, may vary depending upon the biological context.
Product Categories/Family for anti-PIAS3 antibody	Cell Biology
References	Nojiri, S., et al., Biochem. Biophys. Res. Commun. 314(1):97-103 (2004). Long, J., et al., Proc. Natl. Acad. Sci. U.S.A. 101(1):99-104 (2004). Cheng, J., et al., Leuk. Res. 28(1):71-82 (2004). Yamamoto, T., et al., Biochem. Biophys. Res. Commun. 306(2):610-615 (2003). Ueki, N., et al., J. Hum. Genet. 44(3):193-196 (1999).

NCBI AND UNIPROT INFORMATION

NCBI GI #	115298686
NCBI GeneID	10401
NCBI Accession #	NP_006090.2
NCBI GenBank Nucleotide #	NM_006099.3
UniProt Accession #	Q9Y6X2; Q9UFI3
Molecular Weight	68017
NCBI Official Full Name	E3 SUMO-protein ligase PIAS3
NCBI Official Synonym Full Names	protein inhibitor of activated STAT, 3
NCBI Official Symbol	PIAS3
NCBI Official Synonym Symbols	ZMIZ5
NCBI Protein Information	E3 SUMO-protein ligase PIAS3
UniProt Protein Name	E3 SUMO-protein ligase PIAS3
UniProt Gene Name	PIAS3

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/pias3-antibody-western-blot-immunohistochemistry-elisa/287623>