

Rabbit anti-Human PIAS1 Polyclonal Antibody | anti-PIAS1 antibody

PIAS1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289489	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

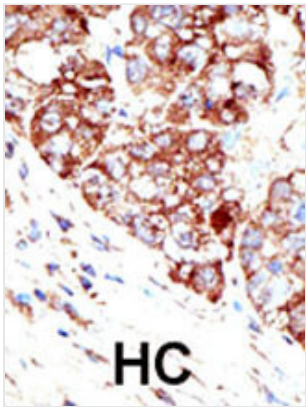
PRODUCT SYNONYMS

PIAS1; Polyclonal Antibody; PIAS1 Antibody (C-term); E3 SUMO-protein ligase PIAS1; 632-; DEAD/H box-binding protein 1; Gu-binding protein; GBP; Protein inhibitor of activated STAT protein 1; RNA helicase II-binding protein; DDXBP1; anti-PIAS1 antibody

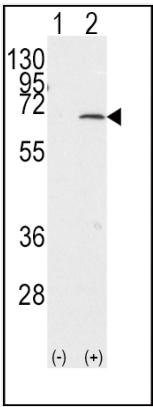
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PIAS1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 607-637 amino acids from the C-terminal region of human PIAS1.
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	607-637
Sequence Length	325
Applicable Applications for anti-PIAS1 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)
Western blot analysis of PIAS1 (arrow) using rabbit polyclonal PIAS1 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PIAS1 gene (Lane 2) (Origene Technologies).

ADDITIONAL INFORMATION

Related Product Information for anti-PIAS1 antibody	PIAS1 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 and the steroid hormone signaling pathway. It functions in testis as a nuclear receptor transcriptional coregulator and may have a role in androgen receptor initiation and maintenance of spermatogenesis. The effects of transcriptional coregulation, transactivation or silencing, may vary depending upon the biological context.
References	Miyauchi, Y., et al., J. Biol. Chem. 277(51):50131-50136 (2002). Nishida, T., et al., J. Biol. Chem. 277(44):41311-41317 (2002). Tan, J.A., et al., J. Biol. Chem. 277(19):16993-17001 (2002). Megidish, T., et al., J. Biol. Chem. 277(10):8255-8259 (2002). Liu, B., et al., J. Biol. Chem. 276(39):36624-36631 (2001).

NCBI AND UNIPROT INFORMATION

NCBI GI #	7706637
NCBI GeneID	8554
NCBI Accession #	NP_057250.1
NCBI GenBank Nucleotide #	NM_016166.1
UniProt Accession #	O75925; Q147X4; Q99751; Q9UN02; B2RB67; B3KSY9; C5J4B4
Molecular Weight	71836
NCBI Official Full Name	E3 SUMO-protein ligase PIAS1
NCBI Official Synonym Full Names	protein inhibitor of activated STAT, 1
NCBI Official Symbol	PIAS1
NCBI Official Synonym Symbols	GBP; ZMIZ3; DDXBP1; GU/RH-II
NCBI Protein Information	E3 SUMO-protein ligase PIAS1
UniProt Protein Name	E3 SUMO-protein ligase PIAS1
UniProt Gene Name	PIAS1
UniProt Synonym Gene Names	DDXBP1; GBP

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/pias1-antibody-immunohistochemistry-western-blot-elisa/289489>