

Rabbit PIAS3 Polyclonal Antibody | anti-PIAS3 antibody

PIAS3 Antibody

CATALOG # AAA40042	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
------------------------------	-----------------------	--	--

PRODUCT SYNONYMS

PIAS3; Polyclonal Antibody; PIAS3 Antibody; ZMIZ5; E3 SUMO-protein ligase PIAS3; Protein inhibitor of activated STAT protein 3; protein inhibitor of activated STAT; 3; anti-PIAS3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	PIAS3 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	628
Applicable Applications for anti-PIAS3 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	PIAS3 antibody was raised against a 12 amino acid synthetic peptide near the carboxy terminus of human PIAS3.
Buffer	PIAS3 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	PIAS3 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 PIAS3 in human breast carcinoma tissue with PIAS3 antibody at 5 µg/mL.



WB (Western Blot)

Western blot analysis of PIAS3 in K562 cell lysate with PIAS3 antibody at 1 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-PIAS3 antibody	PIAS3 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 PIAS3. 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. PIAS3 binds specifically to STAT3 following the stimulation of STAT3. Increased expression of PIAS3 has been observed in several human cancers, including lung, breast, and brain tumors, but not in anaplastic lymphoma kinase-positive T/null-cell lymphomas, indicating that PIAS3 plays multiple roles in different tissue and cell types.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	115298686
NCBI GeneID	10401
NCBI Accession #	NP_006090
NCBI GenBank Nucleotide #	NM_006099.3
UniProt Accession #	Q9Y6X2; Q9UFI3
Molecular Weight	68,017 Da
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; zinc finger, MIZ-type containing 5; protein inhibitor of activated STAT protein 3
UniProt Protein Name	E3 SUMO-protein ligase PIAS3
UniProt Gene Name	PIAS3
UniProt Entry Name	PIAS3_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.