

PIAS3 Antibody

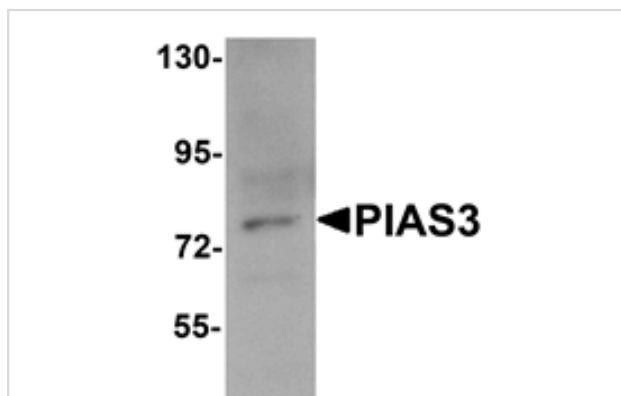
Catalog No: #25113

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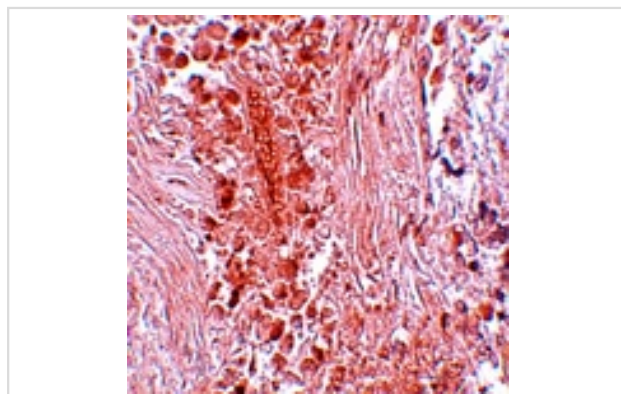
Description

Product Name	PIAS3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 12 amino acid peptide near the carboxy terminus of human PIAS3.
Target Name	PIAS3
Other Names	Protein inhibitor of activated STAT protein 3, ZMIZ5
Accession No.	Swiss-Prot:Q9Y6X2Gene ID:10401
Uniprot	Q9Y6X2
GeneID	10401;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for 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



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



Immunohistochemistry of PIAS3 in human breast carcinoma tissue with PIAS3 antibody at 5 ug/mL.

Background

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.

Note: This product is for in vitro research use only