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Product datasheet for TA319815

PIAS3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1 ug/mL, ICC: 5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	PIAS3 antibody was raised against a 12 amino acid synthetic peptide near the carboxy terminus of human PIAS3.
Formulation:	PIAS3 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	PIAS3 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	protein inhibitor of activated STAT 3
Database Link:	NP_006090 Entrez Gene 83614 RatEntrez Gene 229615 MouseEntrez Gene 10401 Human Q9Y6X2
Background:	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.

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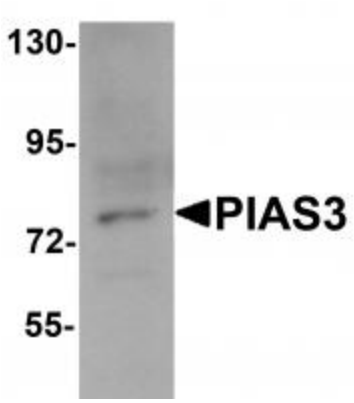
Synonyms: ZMIZ5

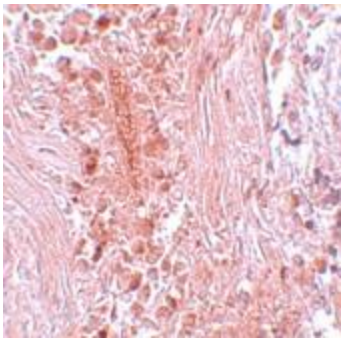
Protein Families: Transcription Factors

Protein Pathways: Jak-STAT signaling pathway, Pathways in cancer, Small cell lung cancer, Ubiquitin mediated proteolysis

Product 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.