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Product datasheet for TA319767

PIAS2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, ICC: 5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	PIAS2 antibody was raised against a 18 amino acid synthetic peptide near the amino terminus of human PIAS2.
Formulation:	PIAS2 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	PIAS2 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 2
Database Link:	NP_004662 Entrez Gene 17344 MouseEntrez Gene 83422 RatEntrez Gene 9063 Human O75928
Background:	PIAS2 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 PIAS2. 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. PIAS2 binds specifically to STAT4 following IL-12 stimulation and inhibits STAT4-mediated gene activation in human T cells. PIAS2 is a potent transcriptional activator of Bcl-2, but together with Bcl-6 can suppress the expression of Bcl-2.
Synonyms:	ARIP3; DIP; MIZ; MIZ1; PIASX; PIASX-ALPHA; PIASX-BETA; SIZ2; ZMIZ4

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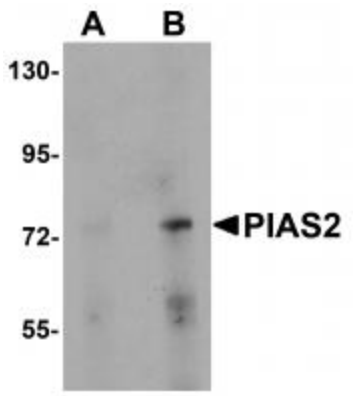
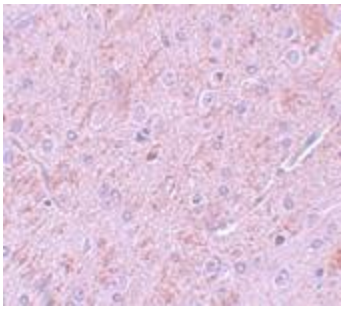
Protein Families: Stem cell - Pluripotency, Stem cell relevant signaling - JAK/STAT signaling pathway, Transcription Factors

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

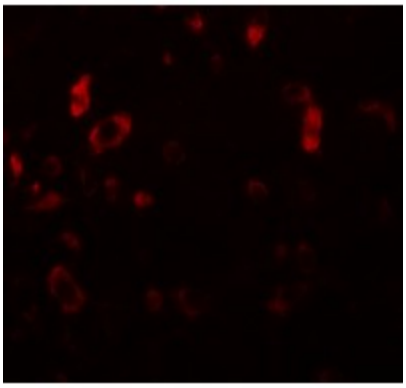
Product images:



Western blot analysis of PIAS2 in rat brain tissue lysate with PIAS2 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of PIAS2 in rat brain tissue with PIAS2 antibody at 5 ug/mL.



Immunofluorescence of PIAS2 in rat brain tissue with PIAS2 antibody at 20 ?g/mL.