BOSTER BIOLOGICAL TECHNOLOGY
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Anti-E3 SUMO-protein ligase PIAS2 PIAS2 Antibody

Catalog Number: A04130

About PIAS2

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.

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Overview

Product Name	Anti-E3 SUMO-protein ligase PIAS2 PIAS2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-E3 SUMO-protein ligase PIAS2 PIAS2 Antibody (Catalog # A04130). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	PIAS2 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	PIAS2 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	O75928

Technical Details

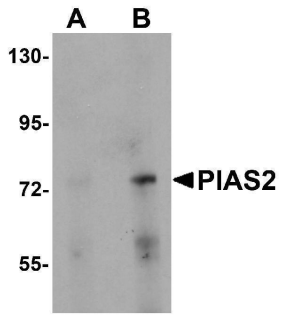
Immunogen	PIAS2 antibody was raised against a 18 amino acid synthetic peptide near the amino terminus of human PIAS2. The immunogen is located within amino acids 110 - 160 of PIAS2.
Predicted Reactive Species	Bovine
Isotype	IgG

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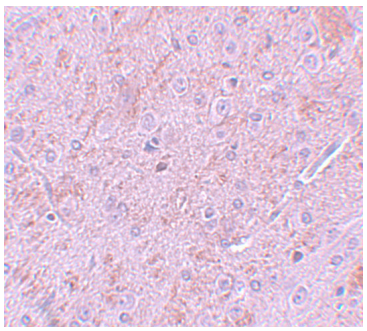
Form	Liquid
Concentration	1 mg/mL
Purification	PIAS2 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	PIAS2 antibody can be used for detection of PIAS2 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in rat samples; Immunohistochemistry in rat samples and Immunofluorescence in rat samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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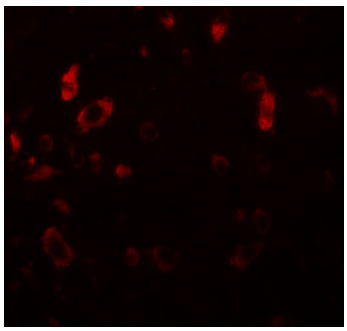
Anti-E3 SUMO-protein ligase PIAS2 PIAS2 Antibody (A04130) Images



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 ug/mL.

Anti-E3 SUMO-protein ligase PIAS2 PIAS2 Antibody

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