

Anti-E3 SUMO-protein ligase PIAS4 PIAS4 Antibody

Catalog Number: A02994

About PIAS4

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 PIAS4. 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. PIAS4 interacts with p53 and blocks its ability to induce Bax and p21 transcription. PIAS4 is also important in the control of the ubiquitin-dependent proteasomal degradation of the Ets-1 transcription factor. PIAS4 has been implicated in the DNA-damage response pathway and is thought to work in combination with PIAS1 for the productive association of 53BP1, BRCA1 and RNF168.

Overview

Product Name	Anti-E3 SUMO-protein ligase PIAS4 PIAS4 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-E3 SUMO-protein ligase PIAS4 PIAS4 Antibody (Catalog # A02994). Tested in ELISA, WB, IHC-P applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IHC-P, WB
Clonality	Polyclonal
Formulation	PIAS4 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	PIAS4 antibody can be stored at 4°C for three months and -20°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	Q8N2W9

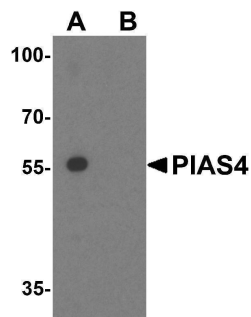
Technical Details

Immunogen	PIAS4 antibody was raised against a 19 amino acid synthetic peptide near the amino terminus of human PIAS4. The immunogen is located within amino acids 50 - 100 of PIAS4.
Predicted Reactive Species	Bovine
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	PIAS4 Antibody is affinity chromatography purified via peptide column.

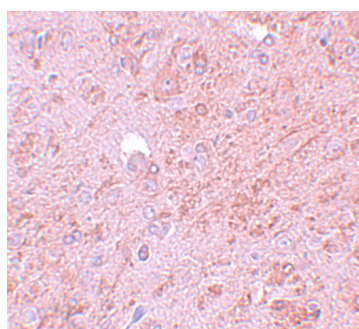
Suggested Dilutions

PIAS4 antibody can be used for detection of PIAS4 by Western blot at 1 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 human samples and Immunohistochemistry in rat samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

Anti-E3 SUMO-protein ligase PIAS4 PIAS4 Antibody (A02994) Images



Western blot analysis of PIAS4 in HL60 cell lysate with PIAS4 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of PIAS4 in rat brain tissue with PIAS4 antibody at 5 ug/mL.

Submit a product review to [Biocompare.com](https://www.biocompare.com)

Submit a review of this product to [Biocompare.com](https://www.biocompare.com) to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-E3 SUMO-protein ligase PIAS4 PIAS4 Antibody

For Research Use Only. Not for use in diagnostic procedures.