

Datasheet for ABIN6991335 **anti-PIAS4 antibody (N-Term)**



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Overview

Quantity:	0.1 mg
Target:	PIAS4
Binding Specificity:	AA 50-100, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIAS4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product 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.
Isotype:	IgG
Purification:	PIAS4 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	PIAS4
Alternative Name:	PIAS4 (PIAS4 Products)
Background:	PIAS4 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

Target Details

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.

Molecular Weight: Predicted: 56 kDa

Observed: 56 kDa

Gene ID: 51588

NCBI Accession: [NP_056981](#)

UniProt: [Q8N2W9](#)

Pathways: [JAK-STAT Signaling](#), [Interferon-gamma Pathway](#), [Positive Regulation of Response to DNA Damage Stimulus](#)

Application Details

Application Notes: PIAS4 antibody can be used for detection of PIAS4 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in human samples and Immunohistochemistry in rat samples.
All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: PIAS4 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: PIAS4 antibody can be stored at 4°C for three months and -20°C, stable for up to 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.