

Datasheet for ABIN783596 **anti-PIAS2 antibody (N-Term)**

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Overview

Quantity:	0.1 mg
Target:	PIAS2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIAS2 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	18 amino acid peptide near the amino terminus of human PIAS2
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse, rat
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	PIAS2
Alternative Name:	PIAS2 (PIAS2 Products)
Background:	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

Target Details

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, Androgen receptor-interacting protein 3, DAB2-interacting protein, DIP, E3 SUMO-protein ligase PIAS2, Miz1, Msx-interacting zinc finger protein, PIAS-NY protein, PIASX, Protein inhibitor of activated STAT x, Protein inhibitor of activated STAT2

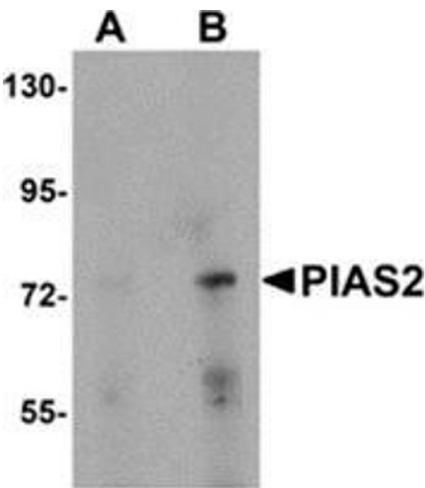
Gene ID:	9063
NCBI Accession:	NP_004662
UniProt:	O75928
Pathways:	JAK-STAT Signaling , Intracellular Steroid Hormone Receptor Signaling Pathway , Regulation of Intracellular Steroid Hormone Receptor Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store the antibody (in aliquots) at -20 °C.



Western Blotting

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