

Datasheet for ABIN2785610 anti-PIAS2 antibody (N-Term)





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Quantity: 100 µL Target: PIAS2 Binding Specificity: N-Term Reactivity: Human, Mouse, Rat, Dog, Cow, Horse, Rabbit, Guinea Pig, Pig Host: Rabbit Clonality: Polyclonal Conjugate: This PIAS2 antibody is un-conjugated Application: Western Blotting (WB) Product Details Immunogen: The immunogen is a synthetic peptide directed towards the N terminal region of human PIAS2 Sequence: RELYRRRYPR TLEGLSDLST IKSSVFSLDG GSSPVEPDLA VAGIHSLPST Predicted Reactivity: Cow: 93%, Dog: 92%, Guinea Pig: 92%, Horse: 92%, Human: 100%, Mouse: 92%, Pig: 93%, Rabbit: 92%, Rat: 93% Characteristics: This is a rabbit polyclonal antibody against PIAS2. It was validated on Western Blot using a cell lysate as a positive control. Purification: Affinity Purified		
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Application: Western Blotting (WB) Product Details Immunogen: The immunogen is a synthetic peptide directed towards the N terminal region of human PIAS2 Sequence: RELYRRRYPR TLEGLSDLST IKSSVFSLDG GSSPVEPDLA VAGIHSLPST Predicted Reactivity: Cow: 93%, Dog: 92%, Guinea Pig: 92%, Horse: 92%, Human: 100%, Mouse: 92%, Pig: 93%, Rabbit: 92%, Rat: 93% Characteristics: This is a rabbit polyclonal antibody against PIAS2. It was validated on Western Blot using a cell lysate as a positive control.	Clonality:	Polyclonal
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Target Details	Target Details	
Target: PIAS2	Target:	PIAS2

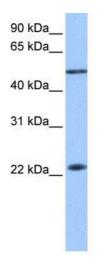
Target Details

Alternative Name:	PIAS2 (PIAS2 Products)
Background:	Pias2 functions as an E3-type small ubiquitin-like modifier (SUMO) ligase, stabilizing the
	interaction between UBE2I and the substrate, and as a SUMO-tethering factor. It plays a crucia
	role as a transcriptional coregulation in various cellular pathways, including the STAT pathway
	the p53 pathway and the steroid hormone signaling pathway. It seems to be mostly involved in
	gene silencing. It binds to sumoylated ELK1 and enhances its transcriptional activity by
	preventing recruitment of HDAC2 by ELK1, thus reversing SUMO-mediated repression of ELK1
	transactivation activity. This gene encodes a protein involved in the regulation of transcription
	factors involved in MAP kinase signaling. The symbol MIZ1 has also been associated with
	ZBTB17 which is a different gene located on chromosome 1. Two alternatively spliced
	transcripts encoding different isoforms have been described.
	Alias Symbols: MGC102682, MIZ1, PIASX-ALPHA, PIASX-BETA, SIZ2, ZMIZ4, miz, DIP, MIZ, ARIP3, PIASX
	Protein Interaction Partner: HIC1, GOLGA2, GFAP, PHC1, TRIM23, ZBTB8A, SUMO1P1, ACY3,
	TSR2, NAV2, CCHCR1, CCNDBP1, MAPKAPK2, ZBED1, PIAS2, SUMO1, UBE2I, TP53, PRKAB2,
	MX2, TRIM63, TRIM55, CTBP1, GTF2I, SUMO2, SUMO3, MYC, DNMT3A, TICAM2, RUFY1,
	PIAS4, C1QA, ADA, PAXIP1, UBC, PLAGL1, P
	Protein Size: 572
Molecular Weight:	63 kDa
Gene ID:	9063
NCBI Accession:	NM_173206, NP_775298
Pathways:	JAK-STAT Signaling, Intracellular Steroid Hormone Receptor Signaling Pathway, Regulation of
	Intracellular Steroid Hormone Receptor Signaling
Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 572 AA
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	Lot specific

Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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 freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-PIAS2 Antibody Titration:

0.2-1 ug/ml

Positive Control: Human Liver