

Datasheet for ABIN2785609

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, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIAS2 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Sequence:	PAVQIKIREL YRRRYPRTLE GLCDLSTIKS SVFSLDGSSS PVEPDLPVAG
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 93%, Rabbit: 100%, Rat: 100%, Zebrafish: 83%
Characteristics:	This is a rabbit polyclonal antibody against Pias2. It was validated on Western Blot.
Purification:	Affinity Purified
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Target Details	
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interaction between UBE2I and the substrate, and as a SUMO-tethering factor. Pias2 plays a crucial role as a transcriptional coregulation in various cellular pathways, including the STAT pathway, the p53 pathway and the steroid hormone signaling pathway. The effects of this transcriptional coregulation, transactivation or silencing may vary depending upon the biological context and PIAS2 isoform studied. However, it seems to be mostly involved in gene silencing. Pias 2 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. Isoform PIASx-beta, but not isoform PIASx-alpha, promotes MDM2 sumoylation. Isoform PIASx-alpha promotes PARK7 sumoylation. Isoform PIASx-beta promotes NCOA2 sumoylation more efficiently than isoform PIASx-alpha Alias Symbols: 6330408K17Rik, Al462206, ARIP3, AU018068, Dib, Miz1, PIASxalpha, PIASxb, PIASxbeta, SIZ2 Protein Interaction Partner: Pparg, Egr2, Plagl2, Trim32, Trp53, DHX9, Nfkb1, Gtf2i, GTF2IRD1,

HDAC3,

Protein Size: 580

Molecular Weight:	63 kDa
Gene ID:	17344
NCBI Accession:	NM_001164167, NP_001157639
Pathways:	JAK-STAT Signaling, Intracellular Steroid Hormone Receptor Signaling Pathway, Regulation of

Intracellular Steroid Hormone Receptor Signaling

Application Details

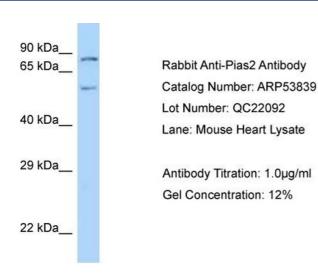
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 580 AA
Restrictions:	For Research Use only
Handling	

Handling	
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

Handling

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.