

Datasheet for ABIN2785609
anti-PIAS2 antibody (N-Term)



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1 Image

Overview

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 YRRRYPTLE 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

Target Details

Target:	PIAS2
Alternative Name:	Pias2 (PIAS2 Products)
Background:	Pias2 functions as an E3-type small ubiquitin-like modifier (SUMO) ligase, stabilizing the

Target Details

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. Pias2 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, AI462206, 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

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

90 kDa__

65 kDa__

40 kDa__

29 kDa__

22 kDa__



Rabbit Anti-Pias2 Antibody

Catalog Number: ARP53839

Lot Number: QC22092

Lane: Mouse Heart Lysate

Antibody Titration: 1.0µg/ml

Gel Concentration: 12%

Western Blotting

Image 1.