

Datasheet for ABIN2779873
anti-PIAS2 antibody (C-Term)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µL
Target:	PIAS2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Dog, Cow, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIAS2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of mouse Pias2
Sequence:	LSLIPVDPQY CPPMFLDSLTL SPLTASSTSV TTTSPHESST HVSSSSSRSE
Predicted Reactivity:	Cow: 93%, Dog: 100%, Horse: 100%, Human: 93%, Mouse: 100%, Rabbit: 93%
Characteristics:	This is a rabbit polyclonal antibody against Pias2. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified

Target Details

Target:	PIAS2
Alternative Name:	Pias2 (PIAS2 Products)

Target Details

Background:	<p>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 crucial 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.</p> <p>Alias Symbols: 6330408K17Rik, AI462206, ARIP3, AU018068, Dib, Miz1, PIASxalpha, PIASxb, PIASxbeta, SIZ2</p> <p>Protein Interaction Partner: Pparg, Egr2, Plagl2, Trim32, Trp53, DHX9, Nfkb1, Gtf2i, GTF2IRD1, HDAC3,</p> <p>Protein Size: 490</p>
Molecular Weight:	54 kDa
Gene ID:	17344
NCBI Accession:	NM_001164167
UniProt:	Q8C5D8
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: 490 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
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

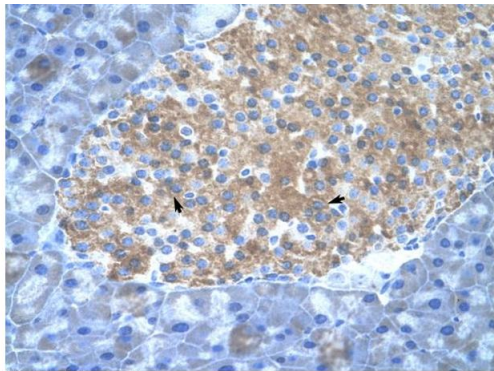
Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

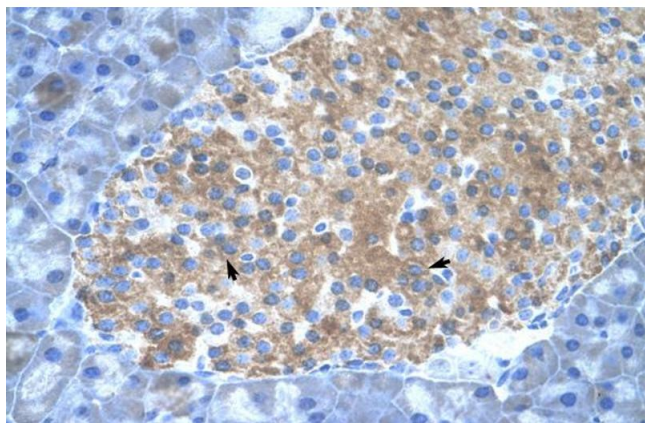
Image 1. WB Suggested Anti-Pias2 Antibody Titration: 0.2-1 ug/ml Positive Control: NIH/3T3 cell lysate



Rabbit Anti-Pias2 Antibody
Catalog Number: ARP36929
Lot Number: QC11641
Paraffin Embedded Tissue: Mouse Pancreas
Cells with Positive label: Pancreas islet cell (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 2. Mouse Pancreas



Immunohistochemistry

Image 3. Mouse Pancreas

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2779873.