



[Go to Product page](#)

Datasheet for ABIN7150968
anti-PIAS2 antibody (AA 532-621)

1 Image

Overview

Quantity:	100 µL
Target:	PIAS2
Binding Specificity:	AA 532-621
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIAS2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Recombinant Human E3 SUMO-protein ligase PIAS2 protein (532-621AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antigen Affinity Purified

Target Details

Target:	PIAS2
Alternative Name:	PIAS2 (PIAS2 Products)
Background:	Background: 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. Plays a crucial

Target Details

role as a transcriptional coregulator 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 the PIAS2 isoform studied. However, it seems to be mostly involved in gene silencing. 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 PIAS2-beta, but not isoform PIAS2-alpha, promotes MDM2 sumoylation. Isoform PIAS2-alpha promotes PARK7 sumoylation. Isoform PIAS2-beta promotes NCOA2 sumoylation more efficiently than isoform PIAS2-alpha. Isoform PIAS2-alpha sumoylates PML at '\\Lys-65\\' and '\\Lys-160\\'.

Aliases: Androgen receptor interacting protein 3 antibody, Androgen receptor-interacting protein 3 antibody, ARIP3 antibody, DAB2 interacting protein antibody, DAB2-interacting protein antibody, DIP antibody, E3 SUMO protein ligase PIAS2 antibody, E3 SUMO-protein ligase PIAS2 antibody, MIZ antibody, Miz1 antibody, Msx interacting zinc finger protein antibody, Msx-interacting zinc finger protein antibody, PIAS NY protein antibody, PIAS-NY protein antibody, PIAS2 antibody, PIAS2_HUMAN antibody, PIASX antibody, PIASX-ALPHA antibody, PIASX-BETA antibody, Protein inhibitor of activated STAT x antibody, Protein inhibitor of activated STAT, 2 antibody, Protein inhibitor of activated STAT2 antibody, SIZ2 antibody, Zinc finger, MIZ-type containing 4 antibody, ZMIZ4 antibody

UniProt: [075928](#)

Pathways: [JAK-STAT Signaling](#), [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Regulation of Intracellular Steroid Hormone Receptor Signaling](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:2000,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

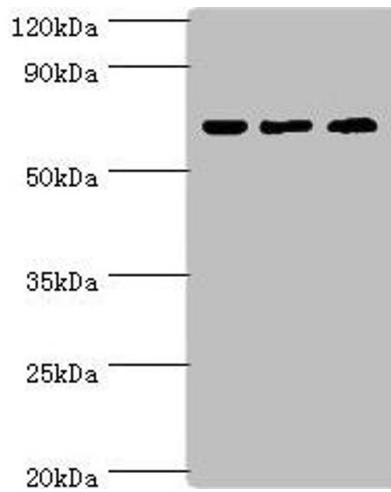
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Western Blotting

Image 1. Western blot All lanes: PIAS2 antibody at 2 µg/mL
Lane 1: A431 whole cell lysate Lane 2: HepG2 whole cell lysate Lane 3: Mouse brain tissue Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 69, 64, 46 kDa Observed band size: 69 kDa