

## PIAS2 antibody

### Product Information

Catalog No.:	FNab06429
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

### 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 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'.

### Immunogen information

Immunogen:	protein inhibitor of activated STAT, 2
Synonyms:	E3 SUMO-protein ligase PIAS2 Androgen receptor-interacting protein 3 (ARIP3) DAB2-interacting protein (DIP) E3 SUMO-protein transferase PIAS2 Msx-interacting zinc finger protein (Miz1) PIAS-NY protein Protein inhibitor of activated STAT x Protein inhibitor of activated STAT2 PIAS2 PIASX
Observed MW:	68 kDa

Uniprot ID : O75928

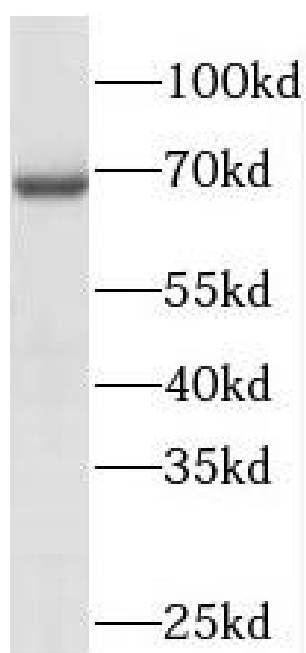
### Application

Reactivity: Human, Mouse, Rat

Tested Application: ELISA, WB

Recommended dilution: WB: 1:500-1:2000

Image:



HeLa cells were subjected to SDS PAGE followed by western blot with FNab06429(PIAS2 antibody) at dilution of 1:1500