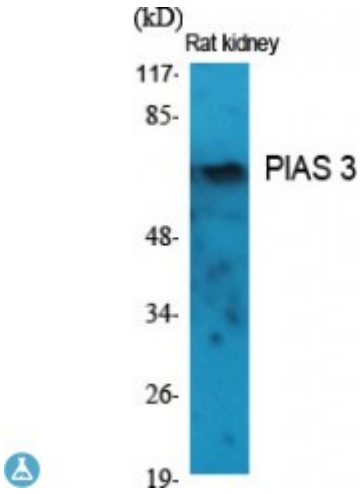
Anti-PIAS 3 antibody



Description	Rabbit polyclonal to PIAS 3.

Model	STJ95083
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human PIAS 3
Immunogen Region	10-90 aa, N-terminal
Gene ID	10401
Gene Symbol	PIAS3
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:10000
Specificity	PIAS 3 Polyclonal Antibody detects endogenous levels of PIAS 3 protein.
Tissue Specificity	Widely expressed.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	E3 SUMO-protein ligase PIAS3 Protein inhibitor of activated STAT protein 3
Molecular Weight	68 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:16861OMIM:605987
Alternative Names	E3 SUMO-protein ligase PIAS3 Protein inhibitor of activated STAT protein 3
Function	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 coregulation in various cellular pathways, including the STAT pathway and the steroid hormone signaling pathway. Involved in regulating STAT3 signaling via inhibiting STAT3 DNA-binding and suppressing cell growth. Enhances the sumoylation of MTA1 and may participate in its paralog-selective sumoylation . Sumoylates CCAR2 which promotes its interaction with SIRT1 . Diminishes the sumoylation of ZFHX3 by preventing the colocalization of ZFHX3 with SUMO1 in the nucleus .
Sequence and Domain Family	The PINIT domain of PIAS3 is required for STAT3-PIAS3 interaction and for transloaction to the nucleus.; The LXXLL motif is a transcriptional coregulator signature.
Cellular Localization	Cytoplasm Nucleus Nucleus speckle. Colocalizes with MITF in the nucleus. Colocalizes with GFI1 in nuclear dots. Colocalizes with SUMO1 in nuclear granules.
Post-translational Modifications	Sumoylated.