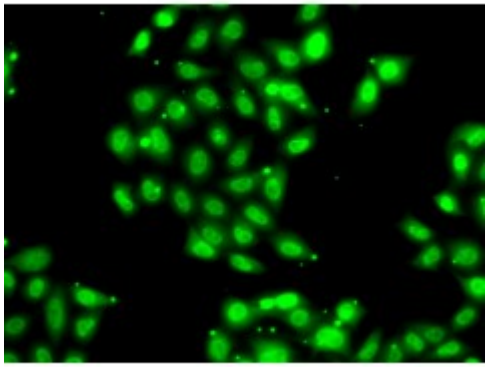
Anti-PIAS3 Antibody



Description	This gene encodes a member of the PIAS [protein inhibitor of activated STAT (signal transducer and activator of transcription)] family of transcriptional modulators. The protein functions as a SUMO (small ubiquitin-like modifier)-E3 ligase which catalyzes the covalent attachment of a SUMO protein to specific target substrates. It directly binds to several transcription factors and either blocks or enhances their activity. Alternatively spliced transcript variants of this gene have been identified, but the full-length nature of some of these variants has not been determined.

Model	STJ115356
Host	Rabbit
Reactivity	Human
Applications	IF
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 399-628 of human PIAS3 (NP_006090.2).
Gene ID	10401
Gene Symbol	PIAS3
Dilution range	IF 1:50 - 1:200
Tissue Specificity	Widely expressed
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	E3 SUMO-protein ligase PIAS3

Molecular Weight	68.017 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:16861OMIM:605987Reactome:R-HSA-3232118
Alternative Names	E3 SUMO-protein ligase PIAS3
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 ,
Cellular Localization	Cytoplasm
Post-translational Modifications	Sumoylated,