

Immunotag™ PIAS3 Antibody

Antibody Specification	
Catalog No.	ITA0211
Product Description	Immunotag™ PIAS3 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	PIAS3
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB: 1:500~1:3000 IHC: 1:50~1:200, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human PIAS3
Specificity	PIAS3 antibody detects endogenous levels of total PIAS3
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	PIAS3
Accession No.	Q9Y6X2
Alternate Names	E3 SUMO protein ligase PIAS 3; E3 SUMO protein ligase PIAS3; E3 SUMO-protein ligase PIAS3; FLJ14651; OTTHUMP00000015586; OTTHUMP00000015587; PIAS 3; Pias3; PIAS3 protein; PIAS3_HUMAN; Protein inhibitor of activated STAT 3; Protein inhibitor of activated STAT protein 3; Protein inhibitor of activated STAT3; Zinc finger MIZ type containing 5; ZMIZ 5; ZMIZ5;

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Description	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 (PubMed:21965678, PubMed:9388184). Sumoylates CCAR2 which promotes its interaction with SIRT1 (PubMed:25406032). Diminishes the sumoylation of ZFHX3 by preventing the colocalization of ZFHX3 with SUMO1 in the nucleus (PubMed:24651376).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	68kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.