G-Biosciences Image not found or type unknown

Immunotag™ PIAS2 Antibody

Antibody Specification

Catalog No.	ITA0210
Product Description	Immunotag™ PIAS2 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	PIAS2
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IF/ICC,ELISA
Recommended Dilution	WB: 1:500~1:3000, 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 PIAS2
Specificity	PIAS2 antibody detects endogenous levels of total PIAS2
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	PIAS2
Accession No.	O75928

Antibody Specification

Alternate Names	Androgen receptor interacting protein 3; Androgen receptor-interacting protein 3; ARIP3; DAB2 interacting protein; DAB2-interacting protein; DIP; E3 SUMO protein ligase PIAS2; E3 SUMO-protein ligase PIAS2; MIZ; Miz1; Msx interacting zinc finger protein; Msx-interacting zinc finger protein; PIAS NY protein; PIAS-NY protein; PIAS2; PIAS2_HUMAN; PIASX; PIASX-ALPHA; PIASX-BETA; Protein inhibitor of activated STAT x; Protein inhibitor of activated STAT, 2; Protein inhibitor of activated STAT2; SIZ2; Zinc finger, MIZ-type containing 4; ZMIZ4;
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 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'.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	68kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.