

Product datasheet for **TA335365**

PIAS2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-PIAS2 Antibody: synthetic peptide directed towards the N terminal of human PIAS2. Synthetic peptide located within the following region: RELYRRRYPRTLLEGLSDLSTIKSSVFLDGGSSPVEPDLAVAGIHSPLST
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	63 kDa
Gene Name:	protein inhibitor of activated STAT 2
Database Link:	NP_775298 Entrez Gene 9063 Human O75928



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Background:	Pias2 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. It plays a crucial role as a transcriptional coregulation in various cellular pathways, including the STAT pathway, the p53 pathway and the steroid hormone signaling pathway. It seems to be mostly involved in gene silencing. It 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. This gene encodes a protein involved in the regulation of transcription factors involved in MAP kinase signaling. The symbol MIZ1 has also been associated with ZBTB17 which is a different gene located on chromosome 1. Two alternatively spliced transcripts encoding different isoforms have been described.
Synonyms:	ARIP3; DIP; MIZ; MIZ1; PIASX; PIASX-ALPHA; PIASX-BETA; SIZ2; ZMIZ4
Note:	Immunogen Sequence Homology: Human: 100%; Pig: 93%; Rat: 93%; Bovine: 93%; Dog: 92%; Horse: 92%; Mouse: 92%; Rabbit: 92%; Guinea pig: 92%
Protein Families:	Stem cell - Pluripotency, Stem cell relevant signaling - JAK/STAT signaling pathway, Transcription Factors
Protein Pathways:	Jak-STAT signaling pathway, Pathways in cancer, Small cell lung cancer, Ubiquitin mediated proteolysis

Product images:



WB Suggested Anti-PIAS2 Antibody Titration: 0.2-1 ug/ml; Positive Control: Human Liver