

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: RELYRRYPRTLEGLSDLSTIKSSVFSLDGGSSPVEPDLAVAGIHSLPST

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Purification: Affinity Purified

Conjugation: Unconjugated

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

075928



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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%

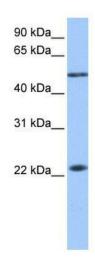
Protein Families: Stem cell - Pluripotency, Stem cell relevant signaling - JAK/STAT signaling pathway,

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