



PIAS2 blocking peptide (CDBP5912)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the protein inhibitor of activated STAT (PIAS) family. PIAS proteins function as SUMO E3 ligases and play important roles in many cellular processes by mediating the sumoylation of target proteins. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. Isoforms of the encoded protein enhance the sumoylation of specific target proteins including the p53 tumor suppressor protein, c-Jun, and the androgen receptor. A pseudogene of this gene is located on the short arm of chromosome 4. The symbol MIZ1 has also been associated with ZBTB17 which is a different gene located on chromosome 1. [provided by RefSeq, Aug 2011]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	PIAS2 protein inhibitor of activated STAT, 2 [Homo sapiens (human)]
Official Symbol	PIAS2
Synonyms	PIAS2; protein inhibitor of activated STAT, 2; DIP; MIZ; MIZ1; SIZ2; ARIP3; PIASX; ZMIZ4; PIASX-BETA; PIASX-ALPHA; E3 SUMO-protein ligase PIAS2; DAB2-interacting protein; zinc

finger, MIZ-type containing 4; msx-interacting zinc finger protein; protein inhibitor of activated STAT X; androgen receptor-interacting protein 3

Entrez Gene ID	9063
mRNA Refseq	NM_004671
Protein Refseq	NP_004662
UniProt ID	O75928
Pathway	IL12 signaling mediated by STAT4; Jak-STAT signaling pathway; Pathways in cancer; Small cell lung cancer; Sumoylation by RanBP2 regulates transcriptional repression; TGF-beta Receptor Signaling Pathway; Ubiquitin mediated proteolysis
Function	DNA binding; SUMO ligase activity; androgen receptor binding; protein binding; transcription coactivator activity; ubiquitin protein ligase binding; zinc ion binding