OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA808326S

PIAS2 Mouse Monoclonal Antibody [Clone ID: OTI2B5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2B5
Applications:	WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PIAS2(NP_004662) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	68.1 kDa
Gene Name:	protein inhibitor of activated STAT 2
Database Link:	NP_004662 Entrez Gene 17344 MouseEntrez Gene 83422 RatEntrez Gene 9063 Human O75928

View online »

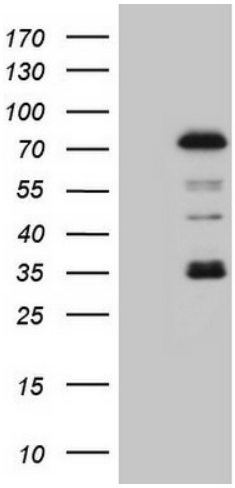
Background: This gene encodes a member of the protein inhibitor of activated STAT (PIAS) family. PIAS proteins function as SUMO E3 ligases and play important roles in many cellular processes by mediating the sumoylation of target proteins. Alternatively spliced transcript variants encoding multiple isoforms 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]

Synonyms: ARIP3; DIP; MIZ; MIZ1; PIASX; PIASX-ALPHA; PIASX-BETA; SIZ2; ZMIZ4

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:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PIAS2 ([RC212659], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PIAS2 (1:2000). Positive lysates [LY401487] (100ug) and [LC401487] (20ug) can be purchased separately from OriGene.