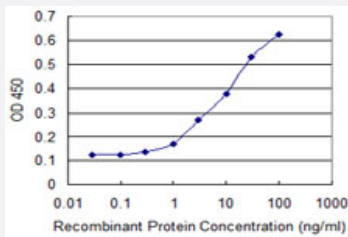


PIAS2 monoclonal antibody (M01), clone 1F7

Catalog # H00009063-M01

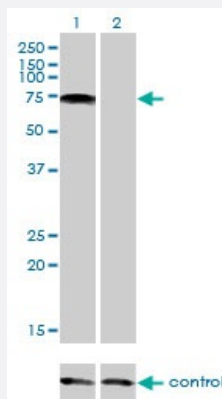
Size 100 ug

Applications



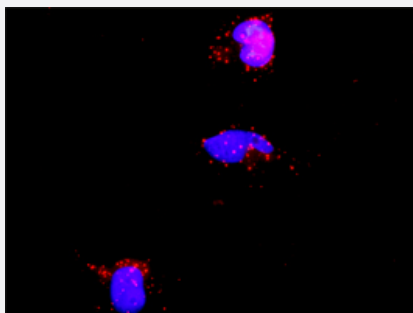
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PIAS2 is approximately 0.3ng/ml as a capture antibody.



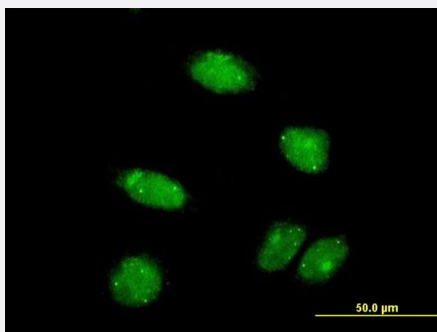
RNAi Knockdown (Antibody validated)

Western blot analysis of PIAS2 over-expressed 293 cell line, cotransfected with PIAS2 Validated Chimera RNAi (Cat # H00009063-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with PIAS2 monoclonal antibody (M01), clone 1F7 (Cat # H00009063-M01). GAPDH (36.1 kDa) used as specificity and loading control.



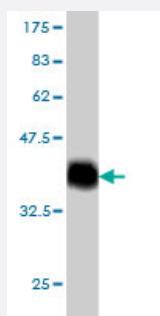
In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between TP53 and PIAS2. HeLa cells were stained with anti-TP53 rabbit purified polyclonal 1:1200 and anti-PIAS2 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Immunofluorescence

Immunofluorescence of monoclonal antibody to PIAS2 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (35.53 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PIAS2.
Immunogen	PIAS2 (NP_004662, 385 a.a. ~ 473 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	CPVCDKKAAYESLILDGLFMEILNDCSDVDEIKFQEDGSWCMPRPKKEAMKVSSQPCTKIESSSVLSKPCSVTVASEASKKKVDVIDLT
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (97)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.53 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PIAS2 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of PIAS2 over-expressed 293 cell line, cotransfected with PIAS2 Validated Chimera RNAi (Cat # H00009063-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with PIAS2 monoclonal antibody (M01), clone 1F7 (Cat # H00009063-M01). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

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- Immunofluorescence

Immunofluorescence of monoclonal antibody to PIAS2 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — PIAS2

Entrez GeneID	9063
GeneBank Accession#	NM_004671
Protein Accession#	NP_004662
Gene Name	PIAS2
Gene Alias	MGC102682, MIZ1, PIASX, PIASX-ALPHA, PIASX-BETA, SIZ2, ZMIZ4, miz
Gene Description	protein inhibitor of activated STAT, 2
Omim ID	603567

Gene Ontology[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

Other Designations

Msx-interacting-zinc finger|protein inhibitor of activated STAT X|zinc finger, MIZ-type containing 4

Pathway

- [Jak-STAT signaling pathway](#)
- [Pathways in cancer](#)
- [Small cell lung cancer](#)
- [Ubiquitin mediated proteolysis](#)