

OXSRI Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a full length recombinant OXSRI.****Catalog # AT3161a****Specification**

OXSRI Antibody (monoclonal) (M01) - Product Information

Application	IF, WB, E
Primary Accession	O95747
Other Accession	BC008726.1
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 kappa
Calculated MW	58022

OXSRI Antibody (monoclonal) (M01) - Additional Information**Gene ID** 9943**Other Names**

Serine/threonine-protein kinase OSR1, Oxidative stress-responsive 1 protein, OXSRI (HGNC:8508)

Target/Specificity

OXSRI (AAH08726.1, 1 a.a. ~ 527 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

OXSRI Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

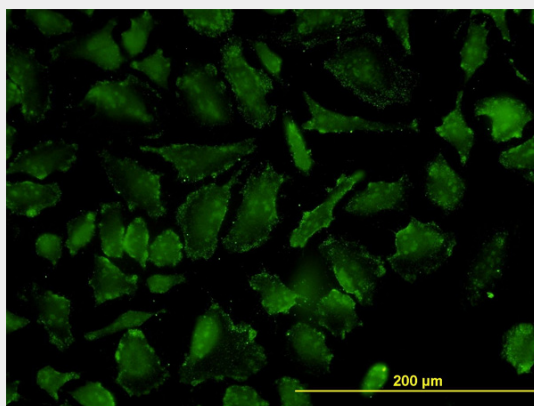
OXSRI Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

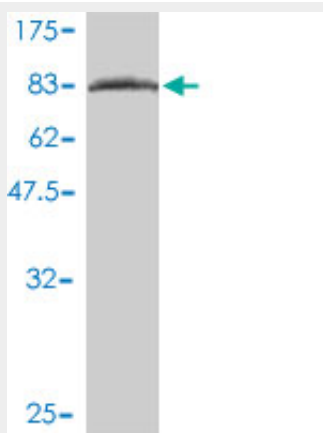
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

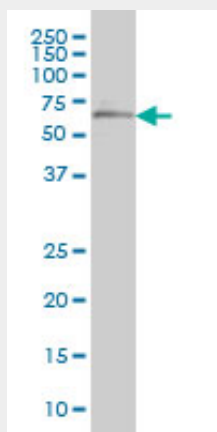
OXSRI Antibody (monoclonal) (M01) - Images



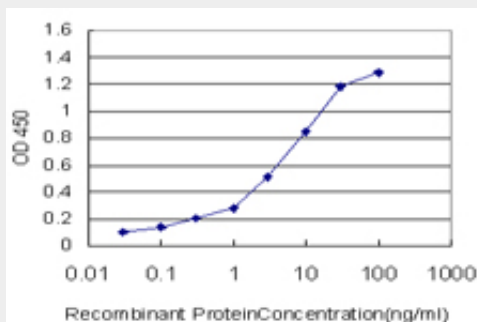
Immunofluorescence of monoclonal antibody to OXSRI on HeLa cell. [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (83.71 KDa) .



OXSRI monoclonal antibody (M01), clone 2A2-1A2 Western Blot analysis of OXSRI expression in A-431 (Cat # AT3161a)



Detection limit for recombinant GST tagged OXSRI is approximately 0.03ng/ml as a capture antibody.

OXSRI Antibody (monoclonal) (M01) - Background

The product of this gene belongs to the Ser/Thr protein kinase family of proteins. It regulates downstream kinases in response to environmental stress, and may play a role in regulating the actin cytoskeleton.

OXSRI Antibody (monoclonal) (M01) - References

1.ASK3 responds to osmotic stress and regulates blood pressure by suppressing WNK1-SPAK/OSR1 signaling in the kidney. Naguro I, Umeda T, Kobayashi Y, Maruyama J, Hattori K, Shimizu Y, Kataoka K, Kim-Mitsuyama S, Uchida S, Vandewalle A, Noguchi T, Nishitoh H, Matsuzawa A, Takeda K, Ichijo H. Nat Commun. 2012 Dec 18;3:1285. doi: 10.1038/ncomms2283.