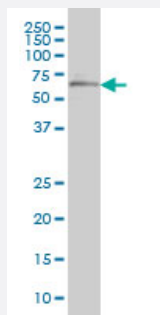


OXSR1 monoclonal antibody (M01), clone 2A2-1A2

Catalog # H00009943-M01

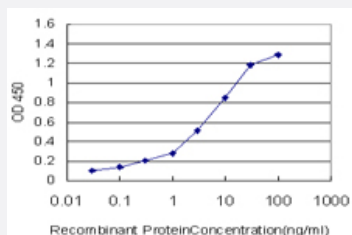
Size 100 ug

Applications



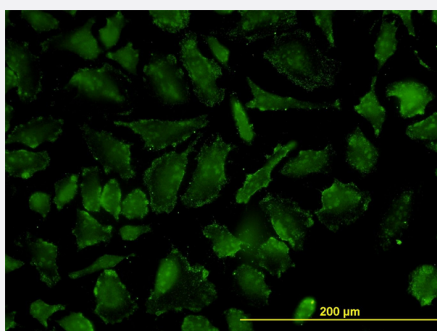
Western Blot (Cell lysate)

OXSR1 monoclonal antibody (M01), clone 2A2-1A2 Western Blot analysis of OXSR1 expression in A-431 (Cat # L015V1).



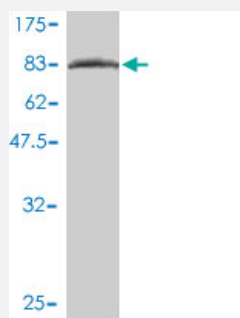
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged OXSR1 is approximately 0.03ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to OXSR1 on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (83.71 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant OXSR1.
Immunogen	OXSR1 (AAH08726.1, 1 a.a. ~ 527 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSSEDSSALPWSINRDDYELQEVIGSGATAVVQAAYCAPKKEKVAIKRINLEKCQTSMDPELLKEIQA MSQCHHPNIVSYTSFVVKDELWLVMLKLLSGGSVLDIIKHIVAKGEHKSGVLDESTIATILREVLEGL EYLHKNGQIHRDVKAGNILLGEDGSVQIADFGVSAFLATGGDITRNKVRKTFVGTCPWMAPEVME QVRGYDFKADIWSFGITAIELATGAAPYHKYPPMKVLMMLTLQNDPPSLETGVQDKEMLKKGKSF RKMISLCLQKDPEKRPTAAELLRHKFFQKAKNKEFLQEKTQQRAPTISERAKKVRVPGSSGRLH KTEDGGWEWSDDDEFDEESEEGKAAISQLRSPRVKESISNSELFPPTDTPVGTLLQVPEQISAHLPQ PAGQIATQPTQVSLPPTAEPAKTAQALSSGSGSQETKIPISLVRLRNSKKELNDRFEFTPGRDTA EGVSQELISAGLVDGRDLVMAANLQKIVEEPQSNRSVTFKLASGVEGSDIPDDGKLIGFAQLSIS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (95); Rat (95)
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (83.71 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 (Cell lysate)

OXSR1 monoclonal antibody (M01), clone 2A2-1A2 Western Blot analysis of OXSR1 expression in A-431 (Cat # L015V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged OXSR1 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to OXSR1 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — OXSR1

Entrez GeneID [9943](#)

GeneBank Accession# [BC008726.1](#)

Protein Accession# [AAH08726.1](#)

Gene Name OXSR1

Gene Alias KIAA1101, OSR1

Gene Description oxidative-stress responsive 1

Omim ID [604046](#)

Gene Ontology [Hyperlink](#)

Gene Summary The product of this gene belongs to the Ser/Thr protein kinase family of proteins. It regulates down stream kinases in response to environmental stress, and may play a role in regulating the actin cytoskeleton. [provided by RefSeq]

Other Designations -

Publication Reference

- [Generation and analysis of knock-in mice carrying pseudohypoaldosteronism type II-causing mutations in the cullin 3 gene.](#)

Araki Y, Rai T, Sohara E, Mori T, Inoue Y, Isobe K, Kikuchi E, Ohta A, Sasaki S, Uchida S.

Biology Open 2015 Oct; 4(11):1509.

Application: WB, Mouse, Kidney

- [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.

Nature Communications 2012 Dec; 3:1285.

Application: WB-Ce, WB-Ti, Human, Mouse, HEK293A, HeLa cells, kidney