OXSR1 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	OXSR1, Monoclonal Antibody
Full Product Name	OXSR1 (Oxidative-Stress Responsive 1, KIAA1101, OSR1) (MaxLight 750)
Product Gene Name	anti-OXSR1 antibody
Product Synonym Names	Oxidative-Stress Responsive 1; KIAA1101; OSR1
Clonality	Monoclonal
Isotype	IgG3,k
Clone Number	5D5
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified
Specificity	Recognizes OXSR1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Immunogen	OXSR1 (AAH08726.1, 351aa-450aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	KAAISQLRSPRVKESISNSELFPTTDPVGTLLQVPEQISAHLPQPAGQIATQPTQVSLPPTAEPAKTAQALSSGSGSQETKIPISLVLRLRNSKKELNDI
Conjugate	MaxLight750
Product Categories/Family for anti-OXSR1 antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-OXSR1 antibody	FLISA, Western Blot (WB)
Application Notes for anti-OXSR1 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-OXSR1 antibody	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. [provided by RefSeq]

Product References and Citations for anti-OXSR1 antibody	1. Common noncoding UMOD gene variants induce salt-sensitive hypertension and kidney damage by increasing uromodulin expression. Trudu M, Janas S, Lanzani C, Debaix H, Schaeffer C, Ikehata M, Citterio L, Demaretz S, Trevisani F, Ristagno G, Glaudemans B, Laghmani KNat Med. 2013 Dec;19(12):1655-60. doi: 10.1038/nm.3384. Epub 2013 Nov 3. 2.Impaired KLHL3-Mediated Ubiquitination of WNK4 Causes Human Hypertension.Wakabayashi M, Mori T, Isobe K, Sohara E, Susa K, Araki Y, Chiga M, Kikuchi E, Nomura N, Mori Y, Matsuo H, Murata T, Nomura S, Asano T, Kawaguchi H, Nonoyama S, Rai T, Sasaki S, Uchida SCell Rep. 2013 Feb 27. pii: S2211-1247(13)00100-9. doi: 10.1016/j.celrep.2013.02.024. 3. WNK-OSR1/SPAK-NCC signal cascade has circadian rhythm dependent on aldosterone.Susa K, Sohara E, Isobe K, Chiga M, Rai T, Sasaki S, Uchida S.Biochem Biophys Res Commun. 2012 Nov 2;427(4):743-7. doi: 10.1016/ j.bbrc.2012.09.130. Epub 2012 Oct 5. 4.Effect of heterozygous deletion of WNK1 on the WNK-OSR1/SPAK-NCC/NKCC1/NKCC2 signal cascade in the kidney and blood vessels.Susa K, Kita S, Iwamoto T, Yang SS, Lin SH, Ohta A, Sohara E, Rai T, Sasaki S, Alessi DR, Uchida S.Clin Exp Nephrol. 2012 Feb 1. 5.Phenotypes of pseudohypoaldosteronism type II caused by the WNK4 D561A missense mutation are dependent on the WNK-OSR1/SPAK kinase cascade. Chiga M, Rafiqi FH, Alessi DR, Sohara E, Ohta A, Rai T, Sasaki S, Uchida S.J Cell Sci. 2011 May 1;124(Pt 9):1391-5. Epub 2011 Apr 12.
Other Notes	Small volumes of anti-OXSR1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for OXSR1 purchase	MBS6239775 is an antibody targeting OXSR1. Also known as OXSR1 (Oxidative-Stress Responsive 1, KIAA1101, OSR1) (MaxLight 750). Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OXSR1. It may not necessarily be applicable to this product.

NCBI GI #	14250548
NCBI Accession #	AAH08726.1
NCBI Official Full Name	Oxidative-stress responsive 1
Protein Family	Serine/threonine-protein kinase
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