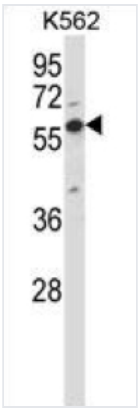
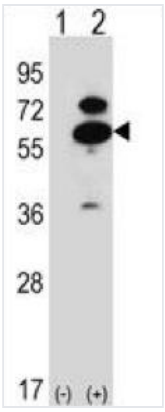
OXSR1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

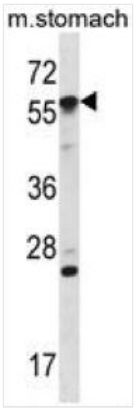
Product Name	Oxsr1, Polyclonal Antibody
Full Product Name	Oxsr1, NT (Oxsr1, Osr1, Serine/threonine-protein kinase OSR1, Oxidative stress-responsive 1 protein) (MaxLight 750)
Product Gene Name	anti-Oxsr1 antibody
Product Synonym Names	Oxsr1; Osr1; Serine/threonine-protein kinase OSR1; Oxidative stress-responsive 1 protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse, Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes mouse Oxsr1. Species Crossreactivity: human
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.
3D Structure	ModBase 3D Structure for Q6P9R2
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 94-121 in the N-terminal region of mouse Oxsr1, UniProt Accession #NP_598746.1; Q6P9R2.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-Oxsr1 antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-Oxsr1 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-Oxsr1 antibody	IHC: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-Oxsr1 antibody	Oxsr1 regulates downstream kinases in response to environmental stress. May also have a function in regulating the actin cytoskeleton.
Product References and Citations for anti-Oxsr1 antibody	1. Hengl, T., et al. Proc. Natl. Acad. Sci. U.S.A. 107(13):6052-6057(2010). 2. Geng, Y., et al. J. Biol. Chem. 284(21):14020-14028(2009). 3. Vallon, V. Kidney Int. 74(11):1373-1375(2008). 4. Chiga, M., et al. Kidney Int. 74(11):1403-1409(2008). 5. Gagnon, K.B., et al. Mol. Cell. Biol. 26(2):689-698(2006).
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	MBS6330052 is an antibody targeting Oxsr1. Also known as Oxsr1, NT (Oxsr1, Osr1, Serine/threonine-protein kinase OSR1, Oxidative stress-responsive 1 protein) (MaxLight 750). Reactive in Mouse, Human. Host: Rabbit.



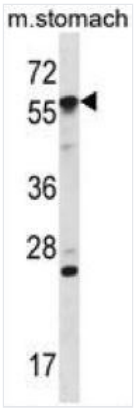
Western Blot (WB) of anti-Oxsr1 antibody
Western Blot analysis in K562 cell line lysates (35ug/lane) usingMBS6004178. This demonstrates that MBS6004178 detected the Oxsr1 protein (arrow).



Western Blot (WB) of anti-Oxsr1 antibody
Western Blot analysis in 293 cell lysates (2 ug/lane) usingMBS6004178, either nontransfected (Lane 1) or transiently transfected (Lane 2) with the Oxsr1 gene.



Western Blot (WB) of anti-Oxsr1 antibody
Western Blot analysis in mouse stomach tissue lysates (35ug/lane) usingMBS6004178. This demonstrates that MBS6004178 detected the Oxsr1 protein (arrow).



Immunohistochemistry (IHC) of anti-Oxsr1 antibody
Immunohistochemistry analysis in formalin fixed and paraffin embedded mouse duodenum tissue using MBS6004178 followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MBS6004178 for immunohistochemistry.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Oxsr1. It may not necessarily be applicable to this product.

NCBI GI #	110626165
NCBI GeneID	108737
NCBI Accession #	NP_598746.1
UniProt Primary Accession #	Q6P9R2
UniProt Related Accession #	Q6P9R2
GenBank Nucleotide #	NP_598746.1
NCBI Official Full Name	serine/threonine-protein kinase OSR1
NCBI Official Synonym Full Names	oxidative-stress responsive 1
NCBI Official Symbol	Oxsr1
NCBI Official Synonym Symbols	Osr1; AI462649; AW209236; mKIAA1101; 2210022N24Rik; 2810422B09Rik
UniProt Protein Name	Serine/threonine-protein kinase OSR1
UniProt Synonym Protein Names	Oxidative stress-responsive 1 protein
Protein Family	Serine/threonine-protein kinase

UniProt Gene Name	Oxsr1
UniProt Synonym Gene Names	Osr1
UniProt Entry Name	OXSR1_MOUSE
NCBI Protein Information	serine/threonine-protein kinase OSR1
Research Articles on Oxsr1	**1.** Regulation of erythrocyte Na(+)/K(+)/2Cl(-) cotransport by an oxygen-switched kinase cascade.
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