

Rabbit OSR1 Polyclonal Antibody | anti-OSR1 antibody

Phospho-OSR1 (Thr185) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327657	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

OSR1; Polyclonal Antibody; Phospho-OSR1 (Thr185) Antibody; 2210022N24Rik; 2810422B09Rik; AI462649; AW209236; KIAA1101; mKIAA1101; OSR 1; OTTHUMP00000209062; Oxidative stress responsive 1; Oxidative stress responsive 1 protein; Oxidative stress-responsive 1 protein; OXSR 1; OXSR1; OXSR1_HUMAN; Serine/threonine protein kinase OSR1; Serine/threonine-protein kinase OSR1; anti-OSR1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-OSR1 (Thr185) antibody detects endogenous levels of OSR1 only when phosphorylated at Thr185
Purity/Purification	From purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	527
Applicable Applications for anti-OSR1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Phospho-OSR1 (Thr185)
Tissue Specificity	Ubiquitously expressed in all tissue examined.
Conjugation	Unconjugated
Epitope	Phospho Thr185
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA327657 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



IHC (Immunohistochemistry)

AAA327657 at 1/100 staining Human lymph node tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of Phospho-OSR1 (Thr185) using K562 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-OSR1 antibody

Function: Regulates downstream kinases in response to environmental stress. May also have a function in regulating the actin cytoskeleton.

Subunit Structure: Binds to and phosphorylates PAK1. Interacts with chloride channel proteins SLC12A6 isoform 2, SLC12A1 and SLC12A2 but not with SLC12A4 and SLC12A7, possibly establishing sensor/signaling modules that initiate the cellular response to environmental stress. Binds to and phosphorylates RELL1, RELL2 AND RELT.

Similarity: Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826878
NCBI GeneID	9943
NCBI Accession #	NP_005100.1
NCBI GenBank Nucleotide #	NM_005109.2
UniProt Accession #	O95747; Q3LR53; Q7Z501; Q9UPQ1
Molecular Weight	Observed: 58 kDa Predicted: 59 kDa
NCBI Official Full Name	serine/threonine-protein kinase OSR1
NCBI Official Synonym Full Names	oxidative stress responsive kinase 1
NCBI Official Symbol	OXSRI
NCBI Official Synonym Symbols	OSR1
NCBI Protein Information	serine/threonine-protein kinase OSR1
UniProt Protein Name	Serine/threonine-protein kinase OSR1
UniProt Gene Name	OXSRI

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/osr1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/327657>