



OXSR1 Polyclonal Antibody

Catalog No	YP-Ab-14884
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	OXSR1
Immunogen	The antiserum was produced against synthesized peptide derived from human OXSR1. AA range:272-321
Specificity	OXSR1 Polyclonal Antibody detects endogenous levels of OXSR1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EC:2.7.11.1;KIAA1101;OSR1;oxidative stress responsive 1;Oxidative stress-responsive 1 protein;OXSR1;Serine/threonine-protein kinase OSR1
Observed Band	50kD
Calculated Molecular Weight	50kD
Cell Pathway	Cytoplasm .
Tissue Specificity	Ubiquitously expressed in all tissue examined.
Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein., cofactor:Magnesium.,enzyme regulation:By autophosphorylation on threonine., function:Regulates downstream kinases in response to environmental stress. May also have a function in regulating the actin cytoskeleton., PTM:Phosphorylated upon DNA damage, probably by ATM or ATR., similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily.,similarity:Contains 1 protein kinase domain., subunit: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., tissue specificity: Ubiquitously expressed in all tissue examined.,

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. [provided by RefSeq, Jul 2008],

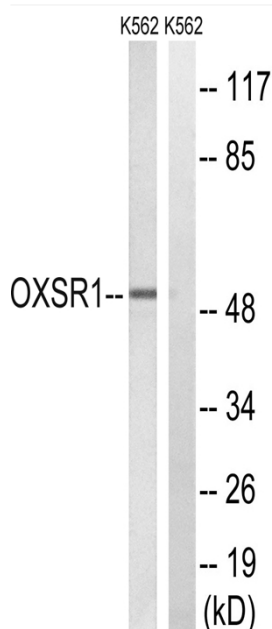
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from K562 cells, using OXSR1 Antibody. The lane on the right is blocked with the synthesized peptide.