

OXSR1 Polyclonal Antibody

Catalog No: YT3482

Reactivity: Human; Mouse

Applications: WB;ELISA

Target: OXSR1

Gene Name: OXSR1

Protein Name: Serine/threonine-protein kinase OSR1

O95747

Q6P9R2

Human Gene Id: 9943

Human Swiss Prot

No:

Mouse Gene Id: 108737

Mouse Swiss Prot

No:

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

Dilution: WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

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Observed Band: 50kD

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],

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

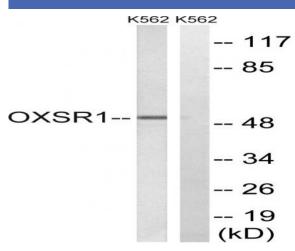
examined.,

Subcellular Location :

Cytoplasm.

Expression: Ubiquitously expressed in all tissue examined.

Products Images



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