



OXR1 Monoclonal Antibody

Catalog No	YP-mAb-14884
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	OXR1
Protein Name	Serine/threonine-protein kinase OSR1
Immunogen	The antiserum was produced against synthesized peptide derived from human OXR1. AA range:272-321
Specificity	OXR1 Monoclonal Antibody detects endogenous levels of OXR1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	OXR1; KIAA1101; OSR1; Serine/threonine-protein kinase OSR1; Oxidative stress-responsive 1 protein
Observed Band	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

