

Product Name: OSR1 Rabbit Polyclonal Antibody**Catalog #: APRab15521**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	IHC, ICC/IF, ELISA
Reactivity	Human, Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio IHC 1:100-1:300, ICC/IF 1:50-1:200, ELISA 1:5000-1:10000

Molecular Weight

Antigen Information

Gene Name	OXR1
Alternative Names	OXR1; KIAA1101; OSR1; Serine/threonine-protein kinase OSR1; Oxidative stress-responsive 1 protein
Gene ID	9943.0
SwissProt ID	O95747
Immunogen	The antiserum was produced against synthesized peptide derived from human OSR1. AA range:151-200

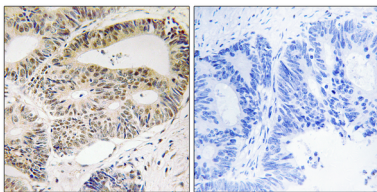
Background

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], catalytic activity: $\text{ATP} + \text{a protein} = \text{ADP} + \text{a phosphoprotein}$, 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,

Research Area

Signal Transduction

Image Data



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using OSR1 Antibody. The picture on the right is blocked with the synthesized peptide.