

## **OSR1** (phospho Thr185) Polyclonal Antibody

Catalog No: YP0793

**Reactivity:** Human; Mouse

**Applications:** WB;IHC;IF;ELISA

Target: OSR1

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

OSR1 around the phosphorylation site of Thr185. AA range:151-200

Specificity: Phospho-OSR1 (T185) Polyclonal Antibody detects endogenous levels of OSR1

protein only when phosphorylated at T185.

**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. IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200

**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: 65kD

**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

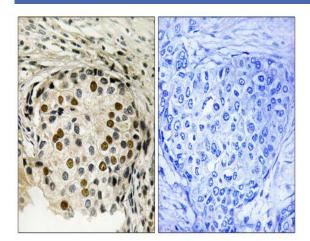
examined.,

Subcellular Location:

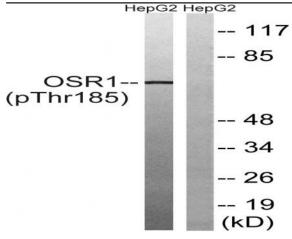
Cytoplasm.

**Expression:** Ubiquitously expressed in all tissue examined.

## **Products Images**



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using OSR1 (Phospho-Thr185) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HepG2 cells treated with serum 20% 15', using OSR1 (Phospho-Thr185) Antibody. The lane on the right is blocked with the phospho peptide.