

## OSR1 Polyclonal Antibody

<b>Catalog No :</b>	YT3473
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	IHC;IF;ELISA
<b>Target :</b>	OSR1
<b>Gene Name :</b>	OXSR1
<b>Protein Name :</b>	Serine/threonine-protein kinase OSR1
<b>Human Gene Id :</b>	9943
<b>Human Swiss Prot No :</b>	O95747
<b>Mouse Gene Id :</b>	108737
<b>Mouse Swiss Prot No :</b>	Q6P9R2
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human OSR1. AA range:151-200
<b>Specificity :</b>	OSR1 Polyclonal Antibody detects endogenous levels of OSR1 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Molecularweight :** 58kD

**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.

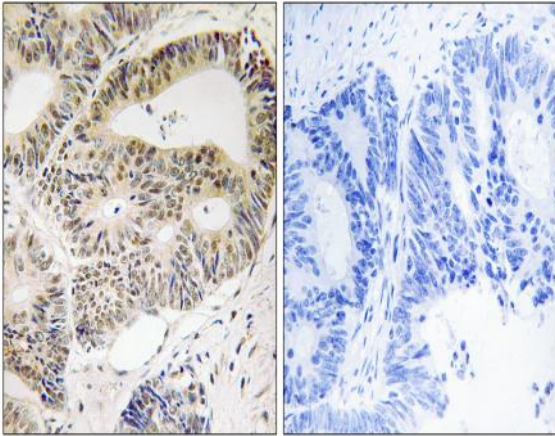
**Sort :** 11323

**No4 :** 1

**Host :** Rabbit

**Modifications :** Unmodified

## Products Images



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