

**PRAS40 (phospho Thr246) Polyclonal Antibody**

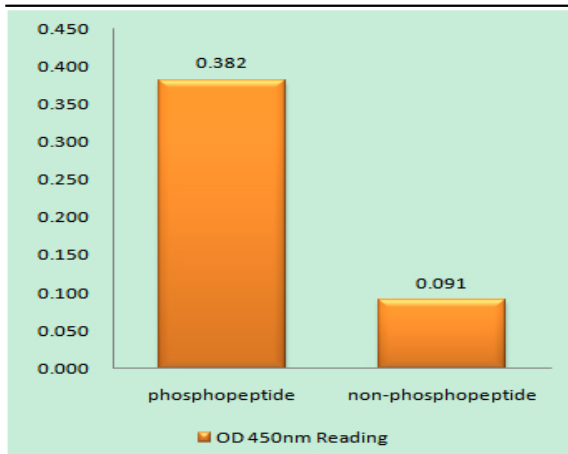
<b>Catalog No :</b>	YP0302
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	PRAS40
<b>Fields :</b>	>>Autophagy - animal;>>mTOR signaling pathway;>>AMPK signaling pathway;>>Longevity regulating pathway;>>Longevity regulating pathway - multiple species;>>Thermogenesis;>>Shigellosis
<b>Gene Name :</b>	AKT1S1
<b>Protein Name :</b>	Proline-rich AKT1 substrate 1
<b>Human Gene Id :</b>	84335
<b>Human Swiss Prot No :</b>	Q96B36
<b>Mouse Gene Id :</b>	67605
<b>Mouse Swiss Prot No :</b>	Q9D1F4
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human Akt1 S1 around the phosphorylation site of Thr246. AA range:207-256
<b>Specificity :</b>	Phospho-PRAS40 (T246) Polyclonal Antibody detects endogenous levels of PRAS40 protein only when phosphorylated at T246.
<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>	WB 1:500 - 1:2000. ELISA: 1:10000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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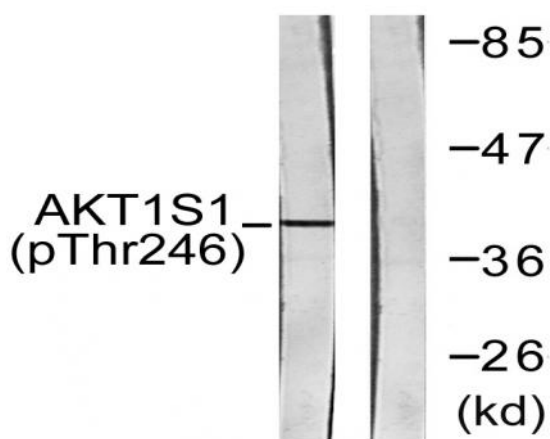
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	40kD
<b>Background :</b>	AKT1S1 is a proline-rich substrate of AKT (MIM 164730) that binds 14-3-3 protein (see YWHAH, MIM 113508) when phosphorylated (Kovacina et al., 2003 [PubMed 12524439]).[supplied by OMIM, Mar 2008],
<b>Function :</b>	function:May play an important role in phosphatidylinositol 3-kinase (PI3K)-AKT1 survival signaling. Substrate for AKT1 phosphorylation, but can also be activated by AKT1-independent mechanisms. Its role in survival signaling pathways may be modulated by oxidative stress. May also play a role in nerve growth factor-mediated neuroprotection.,subcellular location:Found in the cytosolic fraction of the brain.,subunit:The phosphorylated form interacts with 14-3-3.,tissue specificity:Widely expressed with highest levels of expression in liver and heart. Expressed at higher levels in cancer cell lines (e.g. A549 and HeLa) than in normal cell lines (e.g. HEK293),
<b>Subcellular Location :</b>	Cytoplasm, cytosol . Found in the cytosolic fraction of the brain. .
<b>Expression :</b>	Widely expressed with highest levels of expression in liver and heart. Expressed at higher levels in cancer cell lines (e.g. A-549 and HeLa) than in normal cell lines (e.g. HEK293).
<b>Tag :</b>	orthogonal
<b>Sort :</b>	12990
<b>No2 :</b>	2997T
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Phospho

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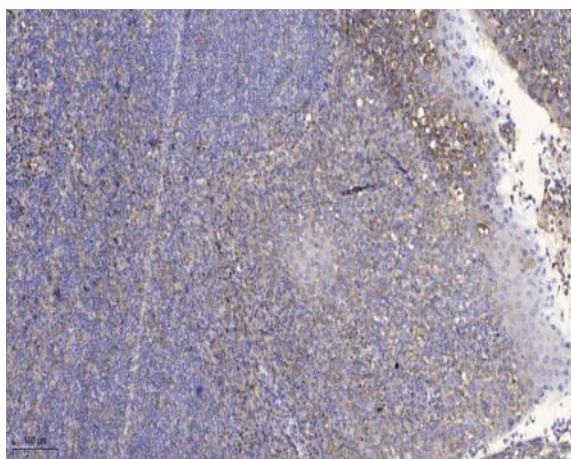
## Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Akt1 S1 (Phospho-Thr246) Antibody



Western blot analysis of lysates from HepG2 cells treated with PDGF 50ng/ml 30', using Akt1 S1 (Phospho-Thr246) Antibody. The lane on the right is blocked with the phospho peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).