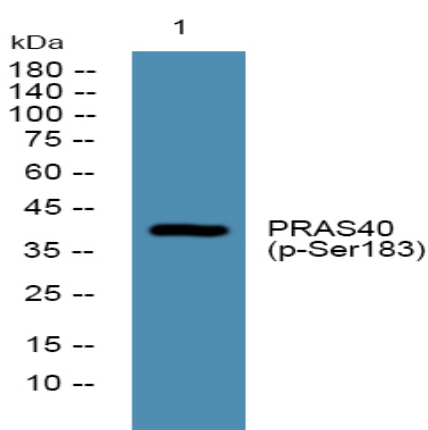


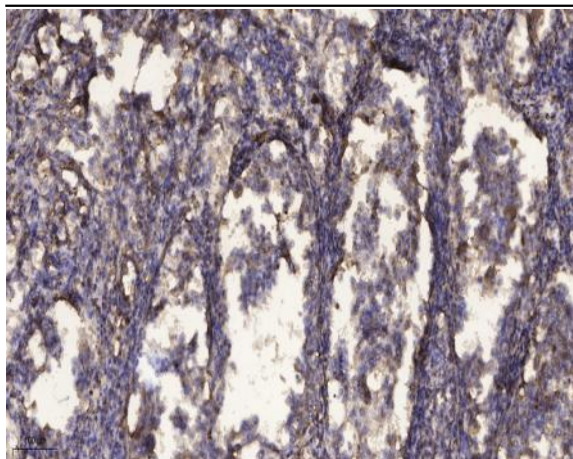
PRAS40 (Phospho Ser183) rabbit pAb

Catalog No :	YP1449
Reactivity :	Human;Mouse
Applications :	WB;ELISA;IHC
Target :	PRAS40
Fields :	>>Autophagy - animal;>>mTOR signaling pathway;>>AMPK signaling pathway;>>Longevity regulating pathway;>>Longevity regulating pathway - multiple species;>>Thermogenesis;>>Shigellosis
Gene Name :	AKT1S1 PRAS40
Protein Name :	PRAS40 (Ser183)
Human Gene Id :	84335
Human Swiss Prot No :	Q96B36
Mouse Gene Id :	67605
Mouse Swiss Prot No :	Q9D1F4
Immunogen :	Synthesized phospho peptide around human PRAS40 (Ser183)
Specificity :	This antibody detects endogenous levels of Human Mouse PRAS40 (phospho-Ser183)
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000
Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	40kD
Background :	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],
Function :	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).,
Subcellular Location :	Cytoplasm, cytosol . Found in the cytosolic fraction of the brain. .
Expression :	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).

Products Images





Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 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, 45min).