

PRAS40 (Phospho Ser183) Rabbit pAb

CatalogNo: YP1449

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA, IHC

MW

- 40kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

IHC 1:50-300

ELISA 1:2000-20000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized phospho peptide around human PRAS40 (Ser183)

Specificity This antibody detects endogenous levels of Human Mouse PRAS40 (phospho-Ser183)

Target Information

Gene name AKT1S1 PRAS40

Protein Name PRAS40 (Ser183)

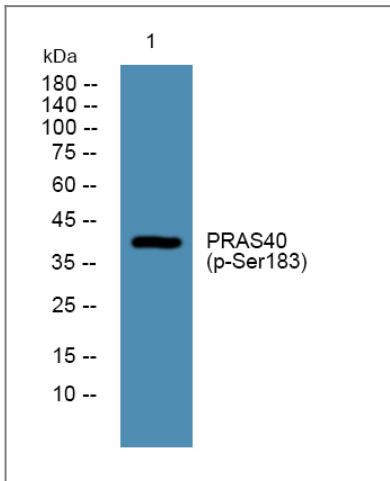
Organism	Gene ID	UniProt ID
Human	84335 ;	Q96B36 ;
Mouse	67605 ;	Q9D1F4 ;

Cellular Localization Cytoplasm , cytosol . Found in the cytosolic fraction of the brain. .

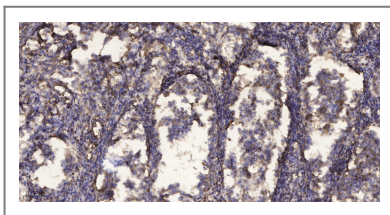
Tissue specificity Widely expressed with highest levels of expression in liver and heart. Expressed at higher levels in cancer cell lines (e.g. A-549 and HeLa) than in normal cell lines (e.g. HEK293) .

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) . ,

Validation Data



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4°C over night



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200 (4°C overnight). 2, Tris-EDTA, pH9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 45min).

Contact information

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PRAS40 (Phospho Ser183) Rabbit pAb

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