PRAS40 (Phospho Thr246) (PT0756R) PT™ Rabbit mAb

CatalogNo: YM8565 Recombinant

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,IHC,IF,IP,ELISA

MW
- 27kD (Calculated)

40kD (Observed)

Isotype
- IgG, Kappa

Storage

Storage*	-15°C to -25°C/1 year (Do not lower than -25°C)
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Recommended Dilution Ratios

IHC 1:200-1:1000
WB 1:2000-1:10000
IF 1:200-1:1000
ELISA 1:5000-1:20000
IP 1:50-1:200

Basic Information

Clonality	Monoclonal
Clone Number	PT0756R

Immunogen Information

Immunogen	The specific immunogen used to produce this antibody is proprietary information.

Specificity Phospho-PRAS40 (T246) Polyclonal Antibody detects endogenous levels of PRAS40 protein only when phosphorylated at T246.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):LNtSD

Target Information

Gene name AKT1S1

Protein Name Proline-rich AKT1 substrate 1

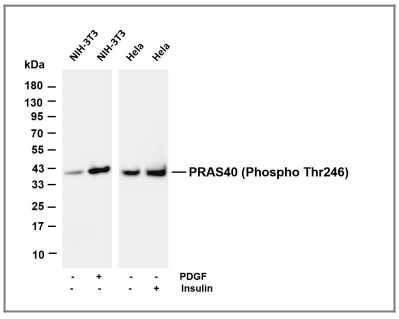
Organism	Gene ID	UniProt ID
Human	84335;	Q96B36;
Mouse	67605;	Q9D1F4;

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

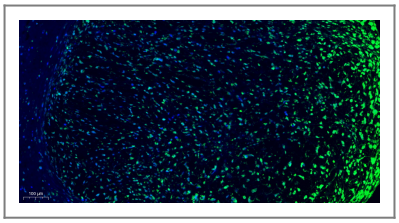
Tissue specificity Widely expressed with highest levels of expression in liver and heart. Expressed at higher levels in cancer cell lines (e.g. A-549 and HeLa) than in normal cell lines (e.g. HEK293) .

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) . ,

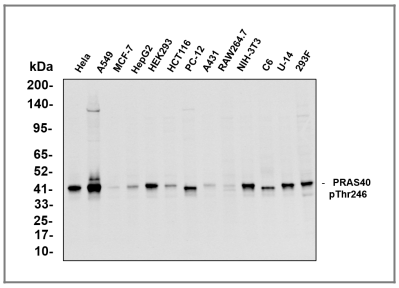
Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-PRAS40 (Phospho Thr246) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: NIH-3T3 Lane 2: NIH-3T3 treated with PDGF (100 ng/mL) for 10 minutes Lane 3: Hela Lane 4: Hela treated with Insulin Predicted band size: 27kDa Observed band size: 40kDa



Immunofluorescence analysis of human heart . Picture A: Histone H3 (Mono Methyl Lys9) (PT0921R) Rabbit mAb (red). Picture B: DAPI (blue). Picture C: Merge of A+B



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4°C, over night with a 1:5000 dilution . The Dilight 800-conjugated Goat anti-Rabbit antibody(Cat:RS23920) was used to detect the antibody.

Contact information

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Please scan the QR code to access additional product information:
PRAS40 (Phospho Thr246) (PT0756R) PT™ Rabbit mAb

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