

## PRAS40 (Phospho Thr246) Rabbit pAb

CatalogNo: YP0302 **Orthogonal Validated** 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IHC, IF, ELISA

#### 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 1:500-1:2000**

**ELISA 1:10000**

**IF 1:50-200**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human Akt1 S1 around the phosphorylation site of Thr246. AA range:207-256

**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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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

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## | Target Information

**Gene name** AKT1S1 PRAS40

**Protein Name** Proline-rich AKT1 substrate 1

Organism	Gene ID	UniProt ID
Human	<a href="#">84335;</a>	<a href="#">Q96B36;</a>
Mouse	<a href="#">67605;</a>	<a href="#">Q9D1F4;</a>

**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) . ,

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## | Validation Data

## | Contact information

Orders: [order.cn@immunoway.com](mailto:order.cn@immunoway.com)  
Support: [support.cn@immunoway.com](mailto:support.cn@immunoway.com)  
Telephone: 400-8787-807(China)  
Website: <http://www.immunoway.com.cn>  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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**PRAS40 (Phospho Thr246) Rabbit pAb**

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