

## Adducin $\alpha$ (Phospho Thr445) Rabbit pAb

CatalogNo: YP0955

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- IHC, IF, ELISA

#### MW

- 81kD (Calculated)

#### 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

**IHC 1:100-1:300**

**ELISA 1:5000**

**IF 1:50-200**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human ADD1 around the phosphorylation site of Thr445. AA range:411-460

**Specificity** Phospho-Adducin  $\alpha$  (T445) Polyclonal Antibody detects endogenous levels of Adducin  $\alpha$  protein only when phosphorylated at T445. 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):EKtRW

## Target Information

**Gene name** ADD1

**Protein Name** Alpha-adducin

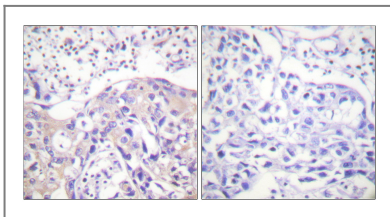
Organism	Gene ID	UniProt ID
Human	<a href="#">118;</a>	<a href="#">P35611;</a>
Mouse	<a href="#">11518;</a>	<a href="#">Q9QYC0;</a>
Rat	<a href="#">24170;</a>	<a href="#">Q63028;</a>

**Cellular Localization** Cytoplasm, cytoskeleton. Cell membrane; Peripheral membrane protein; Cytoplasmic side.

**Tissue specificity** Expressed in all tissues. Found in much higher levels in reticulocytes than the beta subunit.

**Function** Alternative products:Additional isoforms seem to exist,Domain:Each subunit is comprised of three regions: a NH2-terminal protease-resistant globular head region, a short connecting subdomain, and a protease-sensitive tail region.,Function:Membrane-cytoskeleton-associated protein that promotes the assembly of the spectrin-actin network. Binds to calmodulin.,PTM:The N-terminus is blocked.,similarity:Belongs to the aldolase class II family. Adducin subfamily.,subunit:Heterodimer of an alpha and a beta subunit or an alpha and a gamma subunit. Binds ROCK1.,tissue specificity:Expressed in all tissues. Found in much higher levels in reticulocytes than the beta subunit.,

## Validation Data



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using ADD1 (Phospho-Thr445) Antibody. The picture on the right is blocked with the phospho peptide.

## Contact information

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Please scan the QR code to access additional product information:  
**Adducin  $\alpha$  (Phospho Thr445) Rabbit pAb**

