

## MYPT1 (Phospho Ser668) Rabbit pAb

CatalogNo: YP1413

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, ELISA, IHC

#### MW

- 130kD (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 MYPT1 (Ser668)

**Specificity** This antibody detects endogenous levels of Human MYPT1 (phospho-Ser668)

### Target Information

**Gene name** PPP1R12A MBS MYPT1

**Protein Name** MYPT1 (Ser668)

| Organism | Gene ID                  | UniProt ID               |
|----------|--------------------------|--------------------------|
| Human    | <a href="#">4659</a> ;   | <a href="#">O14974</a> ; |
| Mouse    | <a href="#">17931</a> ;  | <a href="#">Q9DBR7</a> ; |
| Rat      | <a href="#">116670</a> ; | <a href="#">Q10728</a> ; |

**Cellular Localization**

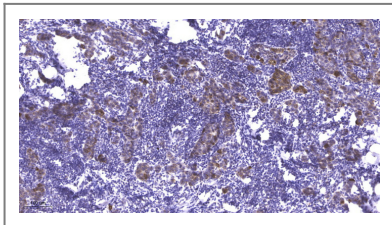
Cytoplasm . Cytoplasm , cytoskeleton , stress fiber . Also along actomyosin filaments. .

**Tissue specificity** Expressed in striated muscles , specifically in type 2a fibers (at protein level) .

**Function**

Function:Regulates myosin phosphatase activity. ,PTM:Phosphorylated by CIT (Rho-associated kinase) (By similarity) . Phosphorylated cooperatively by ROCK1 and CDC42BP on Thr-696. Phosphorylated on upon DNA damage , probably by ATM or ATR. ,sequence Caution:Contaminating sequence. Potential poly-A sequence. ,similarity:Contains 6 ANK repeats. ,subcellular location:Along actomyosin filaments and stress fibers. ,subunit:PP1 comprises a catalytic subunit , PPP1CA , PPP1CB or PPP1CC , and one or several targeting or regulatory subunits. PPP1R12A mediates binding to myosin. Interacts with ARHA and CIT (By similarity) . Binds PPP1R12B , ROCK1 and IL16. ,

## Validation Data



Immunohistochemical analysis of paraffin-embedded human Breast cancer. 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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