

# 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)

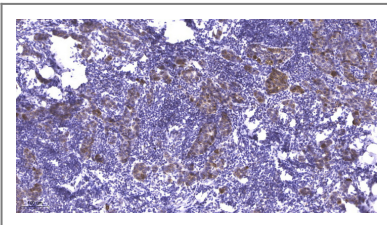
Organism	Gene ID	UniProt ID
Human	<a href="#">4659</a> ;	<a href="#">O14974</a> ;
Mouse	<a href="#">17931</a> ;	<a href="#">Q9DBR7</a> ;
Rat	<a href="#">116670</a> ;	<a href="#">Q10728</a> ;

**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

Orders: [order@immunoway.com](mailto:order@immunoway.com)  
Support: [tech@immunoway.com](mailto:tech@immunoway.com)  
Telephone: 877-594-3616 (Toll Free), 408-747-0185  
Website: <http://www.immunoway.com>  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:  
**MYPT1 (Phospho Ser668) Rabbit pAb**