

## MYPT3 rabbit pAb antibody

| Catalog No : | Source: | Concentration : | Mol.Wt. (Da): |
|--------------|---------|-----------------|---------------|
| A18030       | Rabbit  | 1 mg/ml         | 57811         |

|                              |  |
|------------------------------|--|
| <b>Applications</b>          | WB,ELISA   |
| <b>Reactivity</b>            | Human  |
| <b>Dilution</b>              | WB: 1:500 - 1:2000. ELISA: 1:5000. Not yet tested in other applications.   |
| <b>Storage</b>               | -20°C/1 year   |
| <b>Specificity</b>           | MYPT3 Polyclonal Antibody detects endogenous levels of MYPT3 protein.  |
| <b>Source / Purification</b> | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  |
| <b>Immunogen</b>             | The antiserum was produced against synthesized peptide derived from human PPP1R16A. AA range:362-411   |
| <b>Uniprot No</b>            | Q96I34   |
| <b>Alternative names</b>     | PPP1R16A; MYPT3; Protein phosphatase 1 regulatory subunit 16A; Myosin phosphatase-targeting subunit 3  |
| <b>Form</b>                  | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| <b>Clonality</b>             | Polyclonal   |
| <b>Isotype</b>               | IgG  |
| <b>Conjugation</b>           |  |
| <b>Background</b>            | protein phosphatase 1 regulatory subunit 16A(PPP1R16A) Homo sapiens Myosin light chain kinase and phosphatase (MLCP) complexes control the phosphorylation states of regulatory myosin light chains, which is crucial for muscle and intracellular movement. MLCPs typically contain a catalytic protein phosphatase 1 (PP1c) subunit, a myosin phosphatase targeting (MYPT) subunit, and another smaller subunit. The protein encoded by this gene represents an MYPT subunit, which is responsible for directing PP1c to its intended targets. However, while other MYPTs result in PP1c activation after becoming phosphorylated, the encoded protein is phosphorylated by protein kinase A and then inhibits the catalytic activity of PP1c. [provided by RefSeq, Jul 2016], |
| <b>Other</b>                 | PPP1R16A, Protein phosphatase 1 regulatory subunit 16A   |

### Product Images:

**Application Key:**

WB-Western IP-Immunoprecipitation IHC-Immunohistochemistry CHIP-Chromatin Immunoprecipitation  
IF-Immunofluorescence F-Flow Cytometry E-P-ELISA-Peptide

**Species Cross-Reactivity Key:**

H-Human M-Mouse R-Rat Hm-Hamster Mk-Monkey Vir-Virus Mi-Mink C-Chicken Dm-D. melanogaster  
X-Xenopus Z-Zebrafish B-Bovine Dg-Dog Pg-Pig Sc-S. cerevisiae Ce-C. elegans Hr-Horse All-All  
Species Expected

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