

## MYPT1 Antibody | anti-MYPT1 antibody

MYPT1 (Phospho-Thr853) Antibody

|                               |                                        |                                                                  |
|-------------------------------|----------------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA267440</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|----------------------------------------|------------------------------------------------------------------|

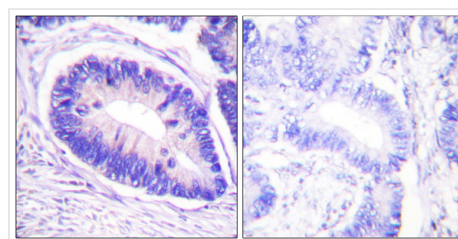
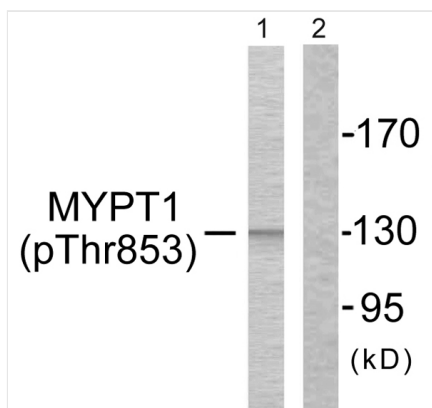
### PRODUCT SYNONYMS

MYPT1; MYPT1 (Phospho-Thr853) Antibody; MBS; Myosin phosphatase target subunit 1; PPP1R12A; anti-MYPT1 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                     |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                                                                                                   |
| Specificity                                     | MYPT1 (Phospho-Thr853) antibody detects endogenous levels of MYPT1 only when phosphorylated at threonine 853.                                                                                                                                       |
| Purity/Purification                             | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| Form/Format                                     | In phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                             |
| Sequence Length                                 | 1030                                                                                                                                                                                                                                                |
| Applicable Applications for anti-MYPT1 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                |
| Immunogen                                       | The antiserum was produced against synthesized phosphopeptide derived from human MYPT1 around the phosphorylation site of threonine 853 (R-S-TP-G-V).                                                                                               |
| All Sites                                       | Human: Thr853<br>Mouse: Thr852<br>Rat: Thr855                                                                                                                                                                                                       |
| Preparation and Storage                         | Store at -20 degree C for 1 year.                                                                                                                                                                                                                   |

### IMAGES



Application Data  
P-peptide+

#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue using MYPT1 (Phospho-Thr853) antibody. Western blot analysis of extracts from NIH/3T3 cells, using MYPT1 (Phospho-Thr853) antibody.

ADDITIONAL INFORMATION

|            |                                                                                                                                                                                                                                                                      |
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| References | Kevin B. Atkins, Am J Physiol Heart Circ Physiol, Jul 2007; 293: H402-H408. Allison M. Given, Am J Physiol Cell Physiol, Jan 2007; 292: C432-C439. Haiying Zhang, Circ. Res., Mar 2007; 100: 730-737. Mikiharu Yoshida, J. Biochem. (Tokyo), Feb 1988; 103: 380-385. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                |
|----------------------------------|----------------------------------------------------------------|
| NCBI GI #                        | 219842212                                                      |
| NCBI GeneID                      | 4659                                                           |
| NCBI Accession #                 | NP_001137357.1                                                 |
| NCBI GenBank Nucleotide #        | NM_001143885.1                                                 |
| UniProt Accession #              | O14974; Q2NKL4; Q569H0; Q86WU3; Q8NFR6; Q9BYH0; B4DZ09; F8VWB4 |
| Molecular Weight                 | 105,641 Da                                                     |
| NCBI Official Full Name          | protein phosphatase 1 regulatory subunit 12A isoform a         |
| NCBI Official Synonym Full Names | protein phosphatase 1 regulatory subunit 12A                   |
| NCBI Official Symbol             | PPP1R12A                                                       |
| NCBI Official Synonym Symbols    | MBS; M130; MYPT1                                               |
| NCBI Protein Information         | protein phosphatase 1 regulatory subunit 12A                   |
| UniProt Protein Name             | Protein phosphatase 1 regulatory subunit 12A                   |
| UniProt Gene Name                | PPP1R12A                                                       |
| UniProt Synonym Gene Names       | Myosin phosphatase target subunit 1                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-mouse-rat-antibody/mypt1/267440>