

MYPT1 Antibody | anti-MYPT1 antibody

MYPT1 (Phospho-Thr853) Antibody

CATALOG # AAA267440	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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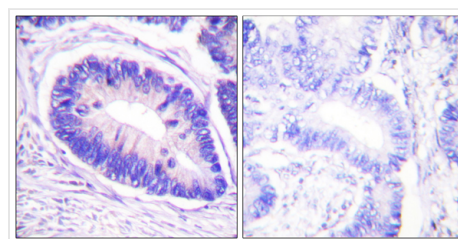
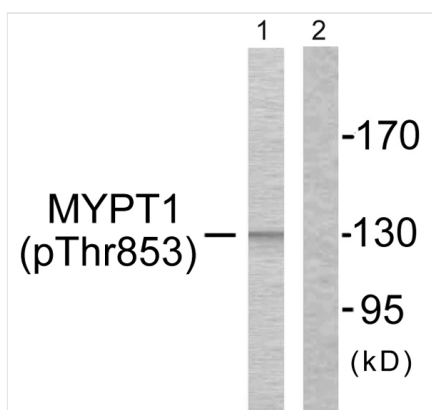
PRODUCT SYNONYMS

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 ²⁺ and Ca ²⁺), 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 Mouse: Thr852 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

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.