

MYPT1 Antibody | anti-MYPT1 antibody

MYPT1 (Phospho-Thr696) Antibody

CATALOG # AAA112116	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunofluorescence, Immunohistochemistry
-------------------------------	--	--

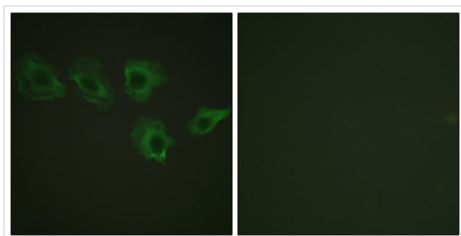
PRODUCT SYNONYMS

MYPT1; MYPT1 (Phospho-Thr696) Antibody; MBS; Myosin phosphatase target subunit 1; PPP1R12A; anti-MYPT1 antibody

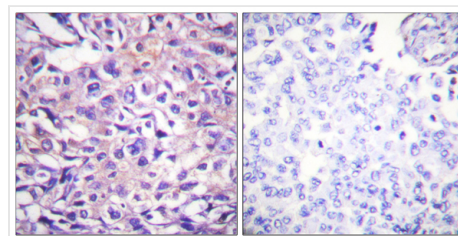
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	MYPT1 (Phospho-Thr696) antibody detects endogenous levels of MYPT1 only when phosphorylated at threonine 696.
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, IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human MYPT1 around the phosphorylation site of threonine 696 (R-S-TP-Q-G).
All Sites	Human: Thr696 Mouse: Thr694 Rat: Thr697
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES


IHC (Immunohistochemistry)

P-peptide-+ Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using MYPT1 (Phospho-Thr696) antibody. Immunofluorescence analysis of A549 cells, using MYPT1 (Phospho-Thr696) antibody.


Application Data

P-peptide-+

ADDITIONAL INFORMATION

Product Categories/Family for anti-MYPT1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
---	---

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.
------------	--

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.