

Rabbit MYPT1/2 Polyclonal Antibody | anti-MYPT1/2 antibody

MYPT1/2 (Phospho-Ser668/Ser618) Antibody

CATALOG # AAA319926	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry
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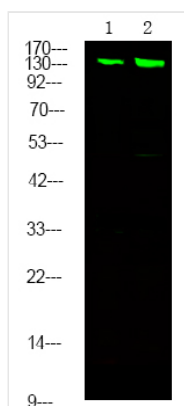
PRODUCT SYNONYMS

MYPT1/2; Polyclonal Antibody; MYPT1/2 (Phospho-Ser668/Ser618) Antibody; Protein phosphatase 1 regulatory subunit 12A (Myosin phosphatase-targeting subunit 1)(Myosin phosphatase target subunit 1)(Protein phosphatase myosin-binding subunit); anti-MYPT1/2 antibody

PRODUCT SPECIFICATIONS

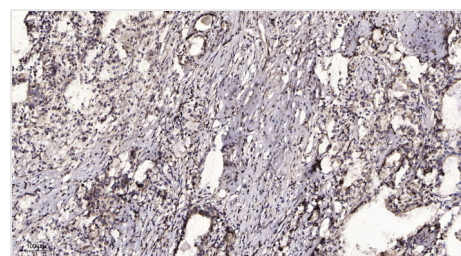
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	This antibody detects endogenous levels of MYPT1/2 (Phospho Ser668/Ser618) Rabbit pAb at Human, Mouse,Rat
Purity/Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-MYPT1/2 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	Synthesized peptide derived from human MYPT1/2 (Phospho Ser668/Ser618)
Modification	Phospho Specific
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



WB (Western Blot)

Western Blot analysis of 1 HeLa cell, 2 Serum-free treated ,using primary antibody at 1:1000 dilution. Secondary antibody



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4 degree overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

ADDITIONAL INFORMATION

Related Product Information for anti-MYPT1/2 antibody	protein phosphatase 1 regulatory subunit 12A(PPP1R12A) Homo sapiens Myosin phosphatase target subunit 1, which is also called the myosin-binding subunit of myosin phosphatase, is one of the subunits of myosin phosphatase. Myosin phosphatase regulates the interaction of actin and myosin downstream of the guanosine triphosphatase Rho. The small guanosine triphosphatase Rho is implicated in myosin light chain (MLC) phosphorylation, which results in contraction of smooth muscle and interaction of actin and myosin in nonmuscle cells. The guanosine triphosphate (GTP)-bound, active form of RhoA (GTP.RhoA) specifically interacted with the myosin-binding subunit (MBS) of myosin phosphatase, which regulates the extent of phosphorylation of MLC. Rho-associated kinase (Rho-kinase), which is activated by GTP. RhoA, phosphorylated MBS and consequently inactivated myosin phosphatase. Overexpression of RhoA or activated RhoA in NIH 3T3 cells increased phosph
Product Categories/Family for anti-MYPT1/2 antibody	Primary Antibodies

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	115 kDa
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; myosin binding subunit; myosin phosphatase, target subunit 1; myosin phosphatase-targeting subunit 1; protein phosphatase myosin-binding subunit; protein phosphatase 1, regulatory (inhibitor) subunit 12A
UniProt Protein Name	Protein phosphatase 1 regulatory subunit 12A
UniProt Gene Name	PPP1R12A
UniProt Synonym Gene Names	MBS; MYPT1; Myosin phosphatase target subunit 1
UniProt Entry Name	MYPT1_HUMAN

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.