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MYPT3 rabbit pAb

Cat#: orb770668 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	MYPT3 rabbit pAb
Host species	Rabbit
Applications	WB;IF;ELISA;IHC
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	WB 1:500-2000; IF/ICC 1:50-200;ELISA 1:2000-20000;IHC-p 1:50-200
Immunogen	The antiserum was produced against synthesized peptide derived from human PPP1R16A. AA range:362-411
Specificity	MYPT3 Polyclonal Antibody detects endogenous levels of MYPT3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Protein phosphatase 1 regulatory subunit 16A
Gene Name	PPP1R16A
Cellular localization	Cell membrane ; Lipid-anchor .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

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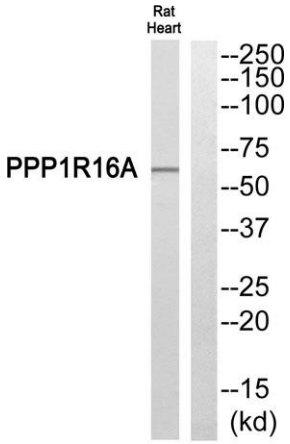
Concentration	1 mg/ml
Observed band	60kD
Human Gene ID	84988
Human Swiss-Prot Number	Q96I34
Alternative Names	PPP1R16A; MYPT3; Protein phosphatase 1 regulatory subunit 16A; Myosin phosphatase-targeting subunit 3
Background	Myosin light chain kinase and phosphatase (MLCP) complexes control the phosphorylation 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],



Western blot analysis of PPP1R16A Antibody. The lane on the right is blocked with the PPP1R16A peptide.

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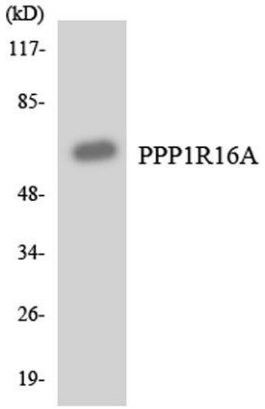
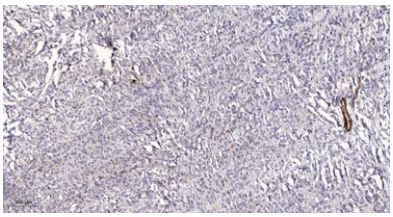


Western blot analysis of the lysates from HeLa cells using PPP1R16A antibody.



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

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