MYPT1 (D6C1) Rabbit mAb



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Applications: W, IP, IHC-P, IF-IC	Reactivity: H Mk Dg	Sensitivity: Endogenous	MW (kDa): 140	Source/Isotype: Rabbit IgG	UniProt ID: #O14974	Entrez-Gene Id: 4659
Product Usage Information		Application Western Blotting Immunoprecipitation Immunohistochemisti Immunofluorescence	• •	istry)	1 1	Dilution 1:1000 1:200 1:50 - 1:200 1:200
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
		For a carrier free (BSA and azide free) version of this product see product #24817.				
Specificity/Sensitivity		MYPT1 (D6C1) Rabbit mAb recognizes endogenous levels of total MYPT1 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human MYPT1 protein.				
Background		in the regulation of va regulatory subunit to subunits exist (1). The myosin phosphata subunit (MYPT/myosin function (M20). MYPT enzyme activity and sp MYPT1 is widely expre Related family member Myosin phosphatase r small GTPase Rho. Rho	rious cell functions the PP1 catalytic subset of the PP1 catalytic subset of the PP1 catalytic subset of the PP1cδ a pecificity (2). Two Massed, while MYPT2 ers include MBS85, regulates the interapo activity inhibits m	us eukaryotic protein se. Substrate specificity is bunit (PP1c). It is estimated from the subut	determined by the ated that over fifty and a 20 kDa subu of the catalytic cleft will dentical have be exclusive to hear in response to sight-associated kina	binding of a different regulatory ting/regulatory nit of unknown and increases teen described. It and brain (3). gnaling through the ase (ROCK).
Background Refe	rences	1. Cohen, P.T. (2002) <i>J Cell Sci</i> 115, 241-56. 2. Terrak, M. et al. (2004) <i>Nature</i> 429, 780-4. 3. Fujioka, M. et al. (1998) <i>Genomics</i> 49, 59-68. 4. Ito, M. et al. (2004) <i>Mol Cell Biochem</i> 259, 197-209. 5. Birukova, A.A. et al. (2004) <i>Microvasc Res</i> 67, 64-77. 6. Birukova, A.A. et al. (2004) <i>J Cell Physiol</i> 201, 55-70.				
Species Reactivity	,	Species reactivity is determined by testing in at least one approv			ed application (e.g.	, western blot).
Western Blot Buff	er	IMPORTANT: For western blots, incubate membrane with diluted pTBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.			primary antibody in 5% w/v BSA, 1X	
Applications Key		W: Western Blotting IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin) IF-IC: Immunofluorescence (Immunocytochemistry)				
Cross-Reactivity K	ey	H: Human Mk: Monkey Dg: Dog				
Trademarks and Patents		Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.				

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