Tropomyosin-1/3 (D17B8) Rabbit mAb



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Applications: W	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 32 , 35, 36, 41	Source/Isotype: Rabbit IgG	UniProt ID: #P09493	Entrez-Gene Id: 7168
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Tropomyosin-1/3 (D17B8) Rabbit mAb detects endogenous levels of total tropomyosin-1 and/or tropomyosin-3 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu274 of human tropomyosin-1 protein.				
Background		protein exists in an a tight manner to stabi and non-muscle cells central role in the cal muscle cells, tropomy filaments to ensure n cause of dilated card malignant tumors de	pha-helical coiled-coiled-coiled-coile and regulate the line and regulate the line and regulate the line and regulate the line and regulate and regulate proces as myopathies (4). To monstrate downreger 283 through the Er	h molecular weight mer bil conformation and bir eactin filament (3). Trop comyosins associate wit ulation of striated musc l in the formation and si sses (1,2). Mutations of ropomyosin-1 also func- ulation of tropomyosin- k/DAPK pathway, which	nds multiple acting omyosins fullfill fur th the troponin complete contraction in vestabilization of cytos tropomysin-1 have tions as a tumor su 1 expression (5-8).	monomers in a actions in muscle aplex and play a rtebrates. In non- keletal actin been reported as a ppressor, and many ropomyosin-1 is
Background References		1. Perry, S.V. (2001) <i>J Muscle Res Cell Motil</i> 22, 5-49. 2. Lin, J.J. et al. (2008) <i>Adv Exp Med Biol</i> 644, 201-22. 3. Brown, J.H. et al. (2001) <i>Proc Natl Acad Sci USA</i> 98, 8496-501. 4. Rajan, S. et al. (2007) <i>Circ Res</i> 101, 205-14. 5. Bharadwaj, S. et al. (2004) <i>J Biol Chem</i> 279, 14039-48. 6. Mahadev, K. et al. (2002) <i>Exp Cell Res</i> 279, 40-51. 7. Varga, A.E. et al. (2005) <i>Oncogene</i> 24, 5043-52. 8. Raval, G.N. et al. (2003) <i>Oncogene</i> 22, 6194-203. 9. Houle, F. et al. (2007) <i>J Cell Sci</i> 120, 3666-77.				
Species Reactivity	,	Species reactivity is d	etermined by testing	j in at least one approve	ed application (e.g.,	western blot).

Species Reactivity

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key W: Western Blotting

Cross-Reactivity Key H: Human M: Mouse R: Rat

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