Tropomyosin-1 (D12H4) Rabbit



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Applications: WB	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		plication stern Blotting			Dilution 1:1000	
Storage			VI.	.5), 150 mM NaCl, 100 not aliquot the antibody	, ,	erol and less than
Specificity / Sensitivity		Tropomyosin-1 (D12H4) Rabbit mAb detects endogenous levels of total tropomyosin-1 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala158 of human tropomyosin-1 protein.				
Background	proferman mus the control of the con	ein exists in an alpl ner to stabilize and cle cells. In muscle calcium-dependent omyosins are impli- nal cellular process iac myopathies (4) onstrate downregu	na-helical coiled-coiled-coiled-coiled regulate the acting cells, tropomyosing regulation of striat cated in the formatives (1,2). Mutations . Tropomyosin-1 a lation of tropomyo	th molecular weight me bil conformation and bir filament (3). Tropomyons associate with the traced muscle contraction ion and stabilization of s of tropomysin-1 have lso functions as a tumo sin-1 expression (5-8). which promotes stress f	nds multiple acting mo poins fullfill functions in oponin complex and p in vertebrates. In non- cytoskeletal actin filar been reported as a ca r suppressor, and mai Tropomyosin-1 is pho	onomers in a tight on muscle and non- olay a central role in -muscle cells, ments to ensure ause of dilated ony malignant tumors osphorylated at
Background Refere	2. Lii 3. Br 4. Ri 5. Bl 6. M 7. Vi 8. Ri 9. Hi	erry, S.V. (2001) J I n, J.J. et al. (2008) rown, J.H. et al. (2007) ajan, S. et al. (2007) naradwaj, S. et al. (2017) ahadev, K. et al. (2017) aval, G.N. et al. (2007) bule, F. et al. (2007)	Adv Exp Med Biol 201) Proc Natl Aca 7) Circ Res 101, 20 (2004) J Biol Chen 2002) Exp Cell Res 205) Oncogene 24, 203) Oncogene 22 3) Mol Biol Cell 14,	644, 201-22. d Sci USA 98, 8496-50 05-14. n 279, 14039-48. 279, 40-51. 5043-52. 6194-203. 1418-32.	1.	

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

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.

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WB: Western Blotting

Cross-Reactivity Key

Applications Key

H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster

X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

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Limited Uses

Tropomyosin-1 (D12H4) Rabbit mAb (#3910) Datasheet Without Images Cell Signaling Technology

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