Talin-1 (C45F1) Rabbit mAb



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Applications: W, IHC-P	Reactivity: H M R Hm Mk	Sensitivity: Endogenous	MW (kDa): 270	Source/Isotype: Rabbit IgG	UniProt ID: #Q9Y490	Entrez-Gene Id: 7094
Product Usage Information		Application Western Blotting Immunohistochemistry (Paraffin)			Dilution 1:1000 1:50	
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.				
a contrata de contrata de		For a carrier free (BSA and azide free) version of this product see product #30960.				
Specificity/Sensitivity		Talin-1 (C45F1) Rabbit mAb recognizes endogenous levels of total Talin-1 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala1772 of human Talin-1 protein.				
Background		Focal adhesions connect the cytoskeleton with the extracellular matrix (ECM), a complex structure of secreted macromolecules that surrounds mammalian organs and tissues. Integrins clustered on the extracellular side of focal adhesions signal from the ECM to intracellular protein complexes, which in turn signal to the actin cytoskeleton to regulate the tension needed for cell motility. Internal signals also converge on focal adhesions to regulate integrin affinity and avidity. Signaling through focal adhesions regulates cell adhesion, migration, proliferation, apoptosis, and gene expression, and impacts cellular processes such as development, wound healing, immune response, invasion, metastasis, and angiogenesis (reviewed in 1-3). Talin is a large, multidomain focal adhesion protein that interacts with the intracellular domains of integrins and other focal adhesion proteins. Talin is involved in the formation of focal adhesions and in linking focal adhesions to the actin cytoskeleton (4). The interaction between talin and integrins increases the affinity between integrin and both insoluble and soluble ECM proteins (5,6).				
Background Re	eferences	 Burridge, K. et al. (1988) Annu Rev Cell Biol 4, 487-525. Calderwood, D.A. et al. (2000) J Biol Chem 275, 22607-10. ffrench-Constant, C. and Colognato, H. (2004) Trends Cell Biol 14, 678-86. Nayal, A. et al. (2004) Curr Opin Cell Biol 16, 94-8. Tanentzapf, G. and Brown, N.H. (2006) Nat Cell Biol 8, 601-6. Tadokoro, S. et al. (2003) Science 302, 103-6. 				
Species Reactiv	/itv	Species reactivity is d	etermined by testin	g in at least one approve	ed application (e.g.	western blot)

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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 IHC-P: Immunohistochemistry (Paraffin)

Cross-Reactivity Key

H: Human M: Mouse R: Rat Hm: Hamster Mk: Monkey

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