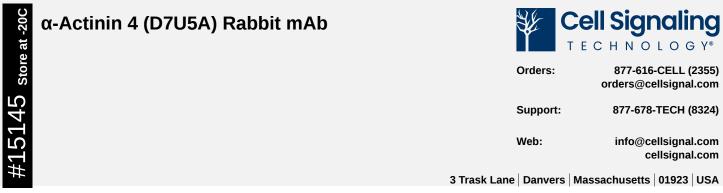
1/1/24, 6:20 AM Revision 1



For Research Use Only. Not for Use in Diagnostic Procedures.						
Applications: F WB, IHC-P	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 100	Source/Isotype: Rabbit IgG	UniProt ID: #O43707	Entrez-Gene Id: 81
Product Usage Information	Α	Application Dilution				
	W	Western Blotting 1:10			1:1000	
	In	Immunohistochemistry (Paraffin) 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.				
Specificity / Sensitivity		α -Actinin 4 (D7U5A) Rabbit mAb recognizes endogenous levels of total α -actinin 4 protein. This antibody does not cross-react with other α -actinin proteins.				
Source / Purification		onoclonal antibody is sidues surrounding Al		nunizing animals with a ctinin 4 protein.	synthetic peptide corr	esponding to
Background	link mc cyt inte (2) fro tha Th boo Th boo Th ext AC Inc and res	king protein, forming phomer. The α -actinin toskeleton, including eraction of α -actinin v . In osteoblasts, inter m apoptosis (3). The at are present in stress e muscle isoforms 2 dies and plaques in s e ubiquitously express tracellular stimuli will CTN4 can mediate ce creased expression o d correlates with poo sponsible for focal set	an antiparallel ho protein interacts those involved in with intercellular action of α-actini cytoskeletal α-actini s fibers, sites of and 3 (ACTN2, A smooth muscle (1 ssed α-actinin 4 (prompt nuclear t Il signaling and ra f ACTN4 protein r prognosis and 1 gmental glomeru	of cytoskeletal proteins. omodimer with an actin l s with a large number of cellular adhesion, migr adhesion molecule-5 (IC n with integrins stabilize ctinin isoforms 1 and 4 (adhesion and intercellul (CTN3) localize to the Z .). ACTN4) protein typically ranslocation in some ce egulate gene expression and amplification of the metastasis (7). Mutation losclerosis (FSGS1), a d progressive kidney fail	binding head at the an proteins involved in s ation, and immune ce CAM-5) helps to promo s focal adhesions and ACTN1, ACTN4) are to lar contacts, filopodia, -discs of striated muse y localizes to the cytos Ils (4). Research studin as a transcriptional of <i>ACTN4</i> gene are see s in the corresponding severe renal disorder	nino terminus of each ignaling to the Il targeting (1). The ote neurite outgrowth d may protect cells non-muscle proteins and lamellipodia. cle and to dense skeleton but ies suggest that coactivator (5,6). n in many cancers g ACTN4 gene are
Background Referen	2. 3. ⁻ 4. 5. / 6. 7. \	Nyman-Huttunen, H.	et al. (2006) J C valko, F.M. (2006) 8) J Cell Biol 140 2013) Oncotarget 911) J Biol Chem 4) Cancer Med 3) Am J Physiol Cell Phy. 1383-93. 4, 362-72. 286, 1850-9. 3, 613-22.		
Species Reactivity	Spe	ecies reactivity is dete	ermined by testin	g in at least one approv	ed application (e.g., w	estern blot).
Western Blot Buffer				e membrane with diluted ith gentle shaking, overr		% w/v nonfat dry
				ta ala ancieta a (Dena 111)		

WB: Western Blotting IHC-P: Immunohistochemistry (Paraffin)

Applications Key

1/1/24, 6:20 AM Cross-Reactivity Key	 α-Actinin 4 (D7U5A) Rabbit mAb (#15145) Datasheet Without Images Cell Signaling Technology 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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