8633 Store at -200

KLC1 (D2T2R) Rabbit mAb



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Applications: WB, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 65, 75	Source/Isotype: Rabbit IgG	UniProt ID: #Q07866	Entrez-Gene Id: 3831	
Product Usage Information	Ар	plication		Dilution			
	We	stern Blotting		1:1000			
	lmı	munoprecipitation		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		KLC1 (D2T2R) Rabbit mAb recognizes endogenous levels of total KLC1 protein. This antibody also cross-reacts with an unidentified protein of 25 kDa.					
Source / Purifica		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly443 of human KLC1 protein.					
Background	plus activ carg binc binc (4,5	ends (anterograde vity, while two kines to and/or regulation ls to kinesin heavy of ls cargo (1-3). Phos). Research studies	etrameric motor proteins that transport cargo along microtubule tracks toward their ade direction) in an ATP-dependent manner. Two heavy chains contain the motor nesin light chains act as adaptor proteins that may be required for binding of specific ion of heavy chain catalytic activity. The amino terminus of kinesin light chain 1 (KLC1) by chains while the KLC1 carboxy-terminal tetratricopeptide repeat (TPR) domain nosphorylation of KLC1 at Ser521 by AMPK may regulate insulin granule dynamics ies identify a KLC1-ALK fusion protein in human lung adenocarcinoma, and this insight for future therapeutics (6).				
Background Ref	2. H 3. K 4. M 5. M	irokawa, N. et al. (2 awano, T. et al. (20 cDonald, A. et al. (2 cDonald, A. et al. (2	009) Nat Rev Mo 12) Traffic 13, 834 2010) Biochem S 2009) Islets 1, 19)) Biochem Soc Trans 38, 205-8.			

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.

Applications Key

WB: Western Blotting IP: Immunoprecipitation

Cross-Reactivity 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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