

#92427 Store at -20C

MAP4K3 (D1L4G) Rabbit mAb



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB, IP	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 101	Source/Isotype: Rabbit IgG	UniProt ID: #Q8IVH8	Entrez-Gene Id: 8491
Product Usage Information	Application		Dilution			
	Western Blotting		1:1000			
	Immunoprecipitation		1:50			
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	MAP4K3 (D1L4G) Rabbit mAb recognizes endogenous levels of total MAP4K3 protein.					
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Glu452 of human MAP4K3 protein.					
Background	The mTORC1 kinase complex is a critical regulator of cell growth (1,2). Its activity is modulated by growth factors and nutrients including amino acids (1,2). MAP4K3 is a mediator between nutrient signal and mTORC1 (1). Research studies suggest that amino acid sufficiency leads to the phosphorylation of Ser170 on MAP4K3, which activates mTORC1 (3).					
Background References	1. Findlay, G.M. et al. (2007) <i>Biochem J</i> 403, 13-20. 2. Sancak, Y. et al. (2008) <i>Science</i> 320, 1496-501. 3. Yan, L. et al. (2010) <i>Mol Cell</i> 37, 633-42.					

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 nonfat dry milk, 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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