

Store at  
-20C  
#92427**MAP4K3 (D1L4G) Rabbit mAb**

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

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, IP	H Mk	Endogenous	101	Rabbit IgG	#Q8IVH8	8491

**Product Usage Information****Application**

Western Blotting  
Immunoprecipitation

**Dilution**

1:1000  
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) *Biochem J* 403, 13-20.
2. Sancak, Y. et al. (2008) *Science* 320, 1496-501.
3. Yan, L. et al. (2010) *Mol Cell* 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**

**W:** Western Blotting **IP:** Immunoprecipitation

**Cross-Reactivity Key**

**H:** Human **Mk:** Monkey

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