

Store at
-20°C

#92427

MAP4K3 (D1L4G) Rabbit mAb

Cell Signaling
TECHNOLOGY®Support: +1-978-867-2388 (U.S.)
www.cellsignal.com/supportOrders: 877-616-2355 (U.S.)
orders@cellsignal.comEntrez-Gene ID #8491
UniProt ID #Q8IVH8

New 11/16

For Research Use Only. Not For Use In Diagnostic Procedures.

Applications
W, IP
EndogenousSpecies Cross-Reactivity*
H, MkMolecular Wt.
101 kDaIsotype
Rabbit IgG**

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.

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.

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.

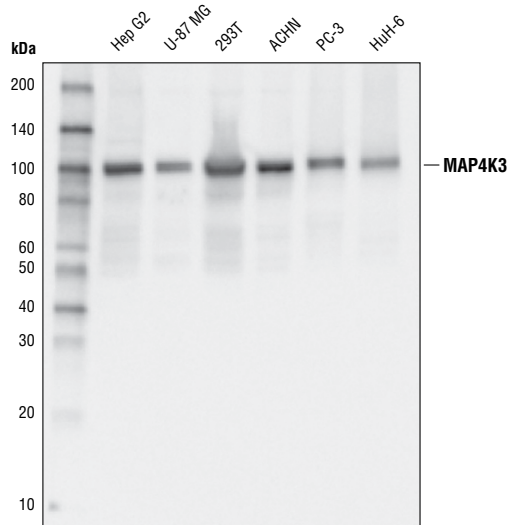
***Species cross-reactivity is determined by western blot.**

****Anti-rabbit secondary antibodies must be used to detect this antibody.**

Recommended Antibody Dilutions:

Western blotting	1:1000
Immunoprecipitation	1:50

For product specific protocols and a complete listing of recommended companion products please see the product web page at www.cellsignal.com



Western blot analysis of extracts from various cell lines using MAP4K3 (D1L4G) Rabbit mAb.

Tween is a registered trademark of ICI Americas, Inc.

IMPORTANT: For western blots, incubate membrane with diluted antibody in 5% nonfat dry milk, 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

Thank you for your recent purchase. If you would like to provide a review visit cellsignal.com/comments.

www.cellsignal.com

© 2016 Cell Signaling Technology, Inc.

Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.

Applications: W—Western IP—Immunoprecipitation IHC—Immunohistochemistry ChIP—Chromatin Immunoprecipitation IF—Immunofluorescence F—Flow cytometry E-P—ELISA-Peptide **Species Cross-Reactivity:** H—human M—mouse R—rat Hm—hamster Mk—monkey 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 All—all species expected Species enclosed in parentheses are predicted to react based on 100% homology.