

KD-Validated Anti-MAP2K2 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1324

Product Information

Application	WB, FC, ICC
Primary Accession	P36507
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	25GB2935
Calculated MW	44424
Gene Name	MAP2K2
Aliases	MAP2K2; Mitogen-Activated Protein Kinase Kinase 2; MEK2; MAP Kinase Kinase 2; PRKMK2; MKK2; Dual Specificity Mitogen-Activated Protein Kinase Kinase 2; ERK Activator Kinase 2; MAPK/ERK Kinase 2; EC 2.7.12.2; Mitogen-Activated Protein Kinase Kinase 2, P45; MAPKK 2; MAPKK2; MEK 2; CFC4
Immunogen	A synthesized peptide derived from human MEK2

Additional Information

Gene ID	5605
Other Names	Dual specificity mitogen-activated protein kinase kinase 2, MAP kinase kinase 2, MAPKK 2, 2.7.12.2, ERK activator kinase 2, MAPK/ERK kinase 2, MEK 2, MAP2K2, MEK2, MKK2, PRKMK2

Protein Information

Name	MAP2K2
Synonyms	MEK2, MKK2, PRKMK2
Function	Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in a Thr-Glu-Tyr sequence located in MAP kinases. Activates the ERK1 and ERK2 MAP kinases (By similarity). Activates BRAF in a KSR1 or KSR2-dependent manner; by binding to KSR1 or KSR2 releases the inhibitory intramolecular interaction between KSR1 or KSR2 protein kinase and N-terminal domains which promotes KSR1 or KSR2-BRAF dimerization and BRAF activation (PubMed: 29433126).
Cellular Location	Cytoplasm. Membrane; Peripheral membrane protein. Note=Membrane localization is probably regulated by its interaction with KSR1.