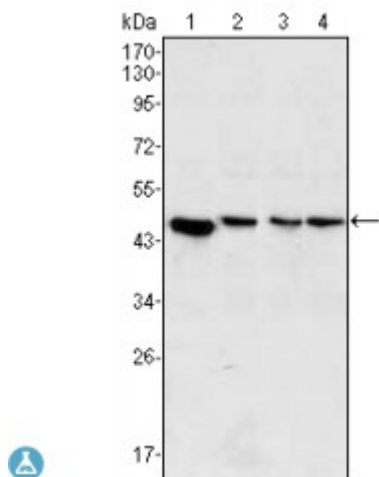


Anti-MEK-2 antibody



Description	Mouse monoclonal to MEK-2.
Model	STJ98237
Host	Mouse
Reactivity	Human, Mouse, Rat
Applications	ELISA, FC, IF, WB
Immunogen	Purified recombinant fragment of human MEK-2 expressed in E. Coli.
Gene ID	5605
Gene Symbol	MAP2K2
Dilution range	WB 1:500-1:2000IF 1:200-1:1000FC 1:200-1:400ELISA 1:10000
Specificity	MEK-2 Monoclonal Antibody detects endogenous levels of MEK-2 protein.
Purification	Affinity purification
Clone ID	7F5
Note	For Research Use Only (RUO).
Protein Name	Dual specificity mitogen-activated protein kinase kinase 2 MAP kinase kinase 2 MAPKK 2 ERK activator kinase 2 MAPK/ERK kinase 2 MEK 2
Clonality	Monoclonal
Conjugation	Unconjugated
Isotype	IgG1
Formulation	Ascitic fluid containing 0.03% sodium azide.

Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:6842OMIM:601263
Alternative Names	Dual specificity mitogen-activated protein kinase kinase 2 MAP kinase kinase 2 MAPKK 2 ERK activator kinase 2 MAPK/ERK kinase 2 MEK 2
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 .
Cellular Localization	Cytoplasm Membrane. Membrane localization is probably regulated by its interaction with KSR1.
Post-translational Modifications	MAPKK is itself dependent on Ser/Thr phosphorylation for activity catalyzed by MAP kinase kinase kinases (RAF or MEKK1). Phosphorylated by MAP2K1/MEK1 . Acetylation of Ser-222 and Ser-226 by Yersinia yopJ prevents phosphorylation and activation, thus blocking the MAPK signaling pathway.

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