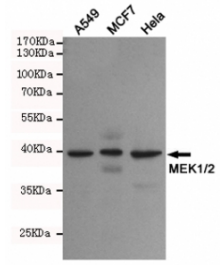
MEK1/2 Antibody [clone 6F10-D7-G6] (F54006)

Catalog No.	Formulation	Size
F54006-0.1ML	In PBS with 50% glycerol and 0.03% ProClin 300	0.1 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	6F10-D7-G6
Purity	Protein G affinity
UniProt	P36507, Q02750
Applications	Western blot: 1:500
Limitations	This MEK1/2 antibody is available for research use only.



Western blot detection of MEK1/2 in human A549, MCF7 and HeLa cell lysates using MEK1/2 antibody at 1:500. Predicted molecular weight: 43/44 kDa.

Description

Dual specificity protein kinase which acts as an essential component of the MAP kinase signal transduction pathway. Binding of extracellular ligands such as growth factors, cytokines and hormones to their cell-surface receptors activates RAS and this initiates RAF1 activation. RAF1 then further activates the dual-specificity protein kinases MAP2K1/MEK1 and MAP2K2/MEK2. Both MAP2K1/MEK1 and MAP2K2/MEK2 function specifically in the MAPK/ERK cascade, and catalyze the concomitant phosphorylation of a threonine and a tyrosine residue in a Thr-Glu-Tyr sequence located in the extracellular signal-regulated kinases MAPK3/ERK1 and MAPK1/ERK2, leading to their activation and further transduction of the signal within the MAPK/ERK cascade. Depending on the cellular context, this pathway mediates

diverse biological functions such as cell growth, adhesion, survival and differentiation, predominantly through the regulation of transcription, metabolism and cytoskeletal rearrangements. [UniProt]

Application Notes

The stated application concentrations are suggested starting points. Titration of the MEK1/2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A human recombinant MEK1 protein was used as the immunogen for this MEK1/2 antibody.

Storage

Store the MEK1/2 antibody at -20oC.

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