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30-2508: Anti-MEK1/2 Antibody (Discontinued)

Clonality :	Polyclonal
Application :	WB
Reactivity :	Human
Gene :	MAP2K1
Gene ID :	5604
Format :	Purified
Alternative Name :	MAPKK 1/2, MKK1/2
Isotype :	Rabbit IgG
Immunogen Information :	Synthetic peptide (coupled with KLH) derived from aminoacid sequence 33-53 of human MAPK Kinase 1. The immunogen sequence is highly conserved within species (human, mouse, rat, hamster, bovine etc.).

Description

MEK (MAPKK, kinase of mitogen-activated protein kinase) is the medium one of three components of MAP kinase cascade – an important signaling pathway that regulates cell growth and differentiation. Raf (MAPKKK) activates MEK 1 and 2 via phosphorylation of two serine residues (Ser218 and Ser222). Activated MEK 1/2 then acts as a dual Specificity kinase phosphorylating both a threonine and a tyrosine residue on ERK (MAPK, mitogen-activated protein kinase). This phosphorylation of ERK by MEK 1/2 is a critical step in the MAP kinase cascade. Phosphorylated ERK is capable of translocating to the nucleus, where it regulates gene expression by activating transcription factors.
Specificity : The polyclonal antibody reacts with intracellular antigens MEK 1/2. MEK 1 and MEK 2 are integral components of the MAP kinase cascade, an important pathway for cell growth and differentiation.

Product Info

Amount :	0.05 mg
Purification :	Purified from rabbit serum by affinity chromatography
Content :	1 mg/ml Formulation : Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.