

### 30-2508: Anti-MEK1/2 Antibody

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	MAP2K1
<b>Gene ID :</b>	5604
<b>Format :</b>	Purified
<b>Alternative Name :</b>	MAPKK 1/2, MKK1/2
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	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

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