Anti-MEK1/2 Rabbit mAb

Purified Rabbit Monoclonal Antibody

Catalog # R012251

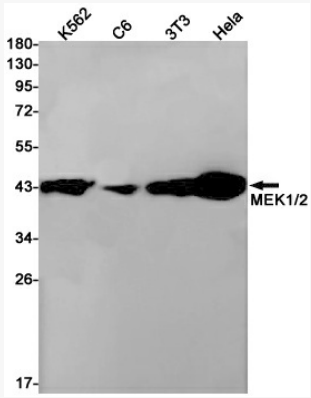
Product Information

Application	IP, WB, IHC-F/IF (Tissue-F), IHC-P/IF (Tissue-P), ICC/IF (Cell), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100; IF 1:50~1:200; IP 1:20
Host	Rabbit
Clonality	Monoclonal
Clone No.	28M97L55
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human MEK1/2
Format	Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-MEK1/2 antibody [28M97L55] is for research use only and not for use in diagnostic or therapeutic procedures.

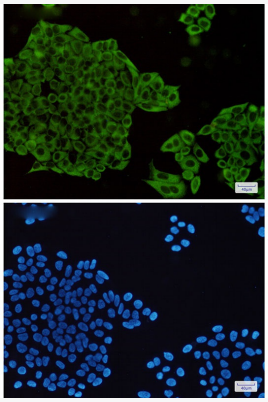
Protein Information

Synonyms	MAP2K1, MEK1, PRKMK1, Dual specificity mitogen-activated protein kinase kinase 1, MAP kinase kinase 1, MAPKK 1, MKK1, ERK activator kinase 1, MAPK/ERK kinase 1, MEK 1, MAP2K2, MEK2, MKK2, PRKMK2, Dual specificity mitogen-activated protein k.
Calculated MW	Calculated MW: 43,44 kDa; Observed MW: 43,44 kDa
Uniprot ID	Q02750, P36507
Gene ID	5604/5605
Background	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.

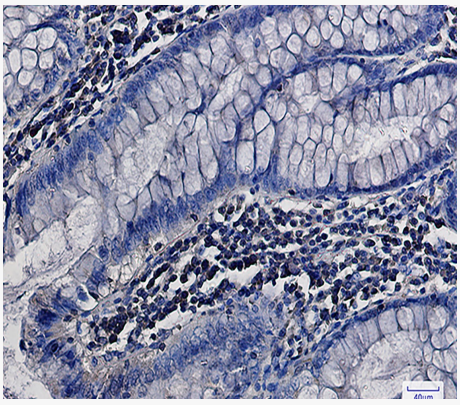
Validation Images



Western blot analysis of MEK1/2 in K562, C6, 3T3, Hela lysates using MEK1/2 antibody.



Immunocytochemistry analysis of MEK1/2(green) in Hela using MEK1/2 antibody and DAPI (blue)



Immunohistochemistry analysis of paraffin-embedded Human colon cancer using MEK1/2 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.