Anti-Phospho-MEK1 (Ser298) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R013982

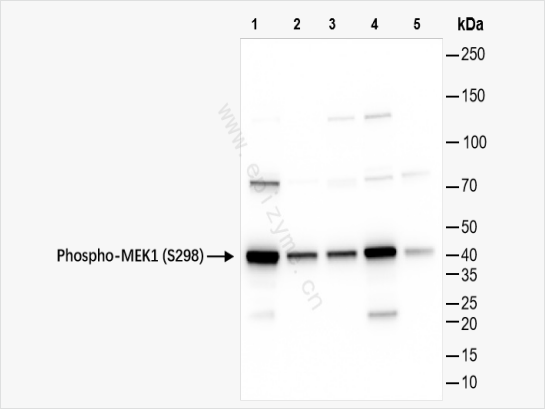
Product Information

Application	ELISA, WB
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	68L36H03
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human MEK1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
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-Phospho-MEK1 (Ser298) Rabbit mAb [68L36H03] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	Dual specificity mitogen activated protein kinase kinase 1, Dual specificity mitogen-activated protein kinase kinase 1, ERK activator kinase 1, MAP kinase kinase 1, MAP kinase/Erk kinase 1, MAP2K1, MAPK/ERK kinase 1, MAPKK 1, MAPKK1, MEK 1, Mek1, MEKK1, Mitogen activated protein kinase kinase 1, MKK 1, MKK1, MP2K1_HUMAN, PRKMK1, Protein kinase mitogen activated kinase 1 (MAP kinase kinase 1), Protein kinase mitogen activated, kinase 1, protein kinase mitogen-activated kinase 1.
Calculated MW	Calculated MW: 43 kDa; Observed MW: 45 kDa
Uniprot ID	Q02750
Background	Activation of MEK1 and MEK2 occurs through phosphorylation of two serine residues at positions 217 and 221, located in the activation loop of subdomain VIII, by Raf-like molecules. Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in a Thr-Glu-Tyr sequence located in MAP kinases. Activates ERK1 and ERK2 MAP kinases.

Validation Images



Western Blot - Anti-Phospho-MEK1 (Ser298) Rabbit mAb [68L36H03]
All lanes: R013982 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates
Lane 5: Mouse muscle whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 43 kDa
Observed band size: 45 kDa
Developed using the ECL technique (Cat. No. SQ201).