

Anti-MEK3 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

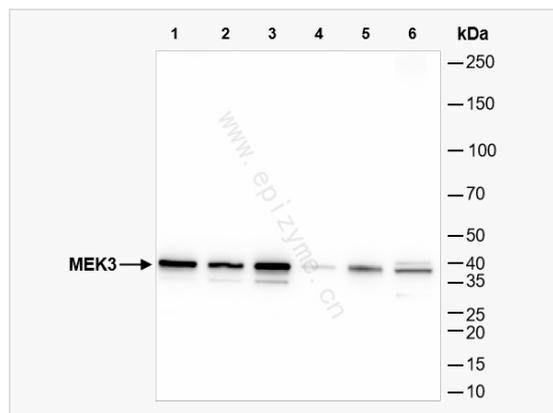
Catalog # R013986

Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	56Q67T62
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human MEK3
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-MEK3 Rabbit mAb [56Q67T62] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	AW212142, dual specificity mitogen activated protein kinase kinase 3, Dual specificity mitogen-activated protein kinase kinase 3, MAP kinase kinase 3, map2k3, MAPK ERK kinase 3, MAPK/ERK kinase 3, MAPKK 3, MAPKK3, MEK 3, MEK3, Mitogen activated protein kinase kinase 3, MKK 3, MKK3, mMKK3b, MP2K3_HUMAN, PRKMK 3, PRKMK3, protein kinase, mitogen-activated, kinase 3, SAPK kinase 2, SAPKK 2, SAPKK2, Stress activated protein kinase kinase 2.
Calculated MW	Calculated MW: 39 kDa; Observed MW: 39 kDa
Uniprot ID	P46734
Gene ID	5606
Background	Dual specificity kinase. Is activated by cytokines and environmental stress in vivo. Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in the MAP kinase p38.
Tissue Location	Abundant expression is seen in the skeletal muscle. It is also widely expressed in other tissues.



Western Blot - Anti-MEK3 Rabbit mAb [56Q67T62]

All lanes: R013986 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: Rat spleen whole tissue lysates

Lane 5: Mouse kidney whole tissue lysates

Lane 6: Mouse muscle whole tissue lysates

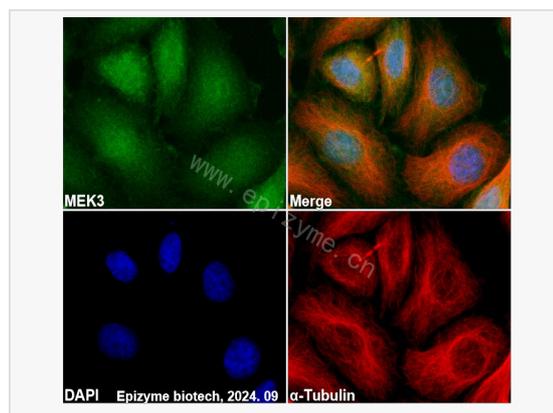
Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 39 kDa

Observed band size: 39 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-MEK3 Rabbit mAb [56Q67T62]

Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R013986 at 1:100 dilution and α -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).