

Anti-MEK1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

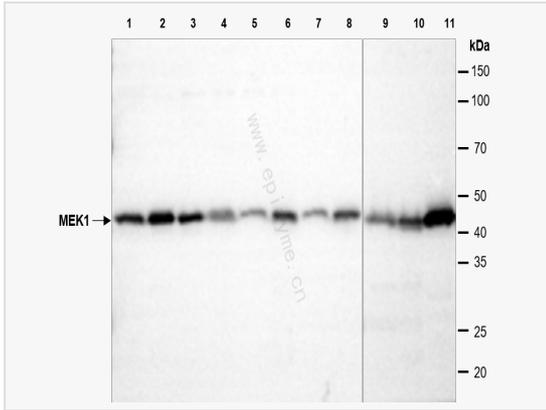
Catalog # R013844

Product Information

Application	ELISA, WB, IHC-P/IF (Tissue-P)
Reactivity	Rat, Human, Mouse
Dilution	WB 1:1,000~1:3,000; IHC-P 1:200; IF 1:100
Host	Rabbit
Clonality	Monoclonal
Clone No.	30C09G39
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-MEK1 Rabbit mAb [30C09G39] 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.
Calculated MW	Calculated MW: 45 kDa; Observed MW: 45 kDa
Uniprot ID	Q02750
Gene ID	5604
Background	The protein encoded by this gene is a member of the dual specificity protein kinase family, which acts as a mitogen-activated protein (MAP) kinase kinase. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals.



Western Blot - Anti-MEK1 Rabbit mAb [30C09G39]

All lanes: R013844 at 1:3,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates

Lane 5: U2OS (Human osteosarcoma epithelial cell) whole cell lysates

Lane 6: SW620 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 7: 293T (Human embryonic kidney cell) whole cell lysates

Lane 8: HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysates

Lane 9: Rat pancreas whole tissue lysates

Lane 10: Balb/c mouse kidney whole tissue lysates

Lane 11: Balb/c mouse brain whole tissue lysates

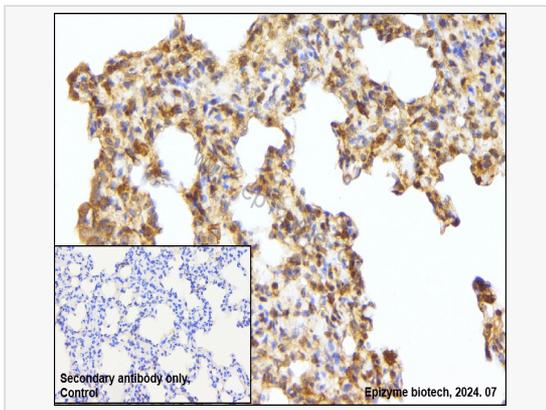
Lysates/proteins at 10 µg per lane.

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

Predicted band size: 45 kDa

Observed band size: 45 kDa

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



Immunohistochemistry - Anti-MEK1 Rabbit mAb [30C09G39]

Sample: Paraformaldehyde-fixed, paraffin embedded rat lung tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013844 at 1:200 dilution

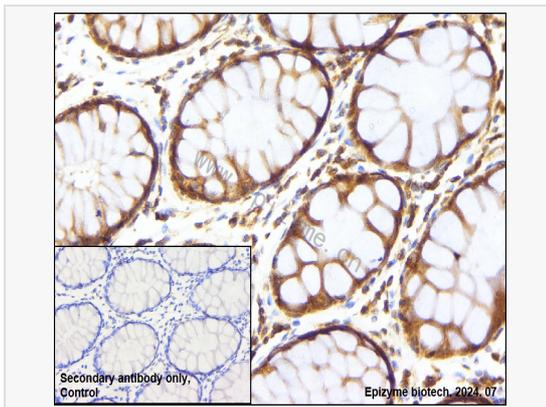
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-MEK1 Rabbit mAb [30C09G39]

Sample: Paraformaldehyde-fixed, paraffin embedded human colorectal carcinoma tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013844 at 1:200 dilution

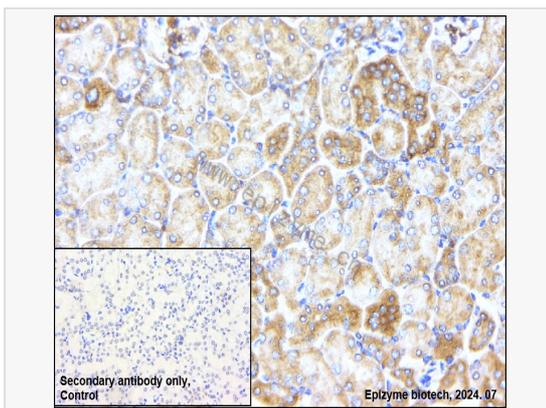
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-MEK1 Rabbit mAb [30C09G39]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse kidney tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013844 at 1:200 dilution

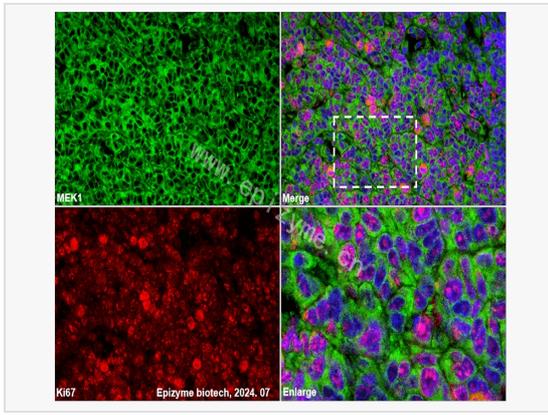
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-MEK1 Rabbit mAb [30C09G39]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse subcutaneous tumor tissue
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013844 at 1:100 dilution and Anti-Ki67 Mouse mAb 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).