Anti-MEKK3 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R013992

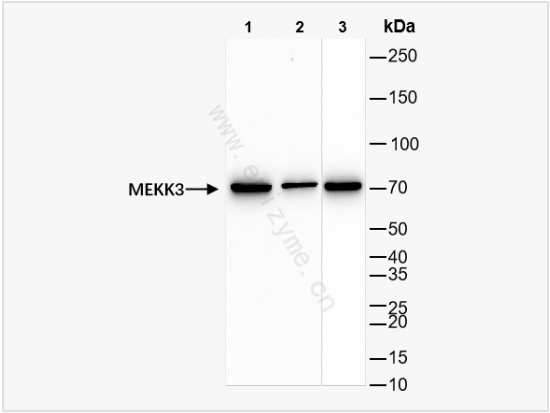
Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human, Rat, Mouse
Dilution	WB 1:1,000~1:2,000; IHC-P 1:200; IF 1:100
Host	Rabbit
Clonality	Monoclonal
Clone No.	88N92G19
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human MEKK3
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-MEKK3 Rabbit mAb [88N92G19] is for research use only and not for use in diagnostic or therapeutic procedures.

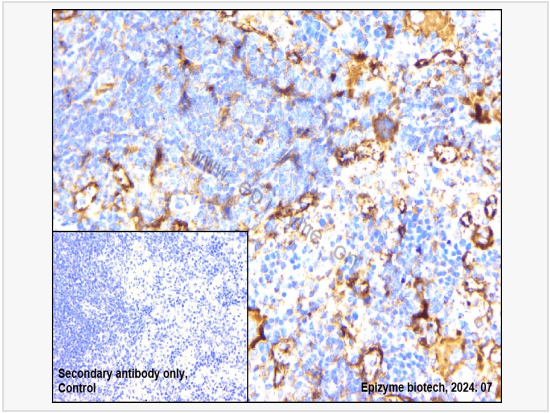
Protein Information

Synonyms	MAP/ERK kinase kinase 3, MAP3K3, MAPK/ERK kinase kinase 3, MAPKKK3, MEK kinase 3, MEKK 3, MEKK3, Mitogen activated protein kinase kinase kinase 3.
Calculated MW	Calculated MW: 71 kDa; Observed MW: 71 kDa
Uniprot ID	Q99759
Background	MAP kinase kinase kinase (MEKK3 or MAP3K3) is a serine/threonine protein kinase that activates SAPK and ERK via phosphorylation and activation of their respective MAP kinase kinases, SEK and MEK1/2. MEKK3 also stimulates MEK5 via activation of ERK5/BMK1, which is at least partly regulated by a direct interaction between MEK5 and MEKK3 via p67phox-Bem1p (PB1) protein-protein interaction domains found in both proteins.

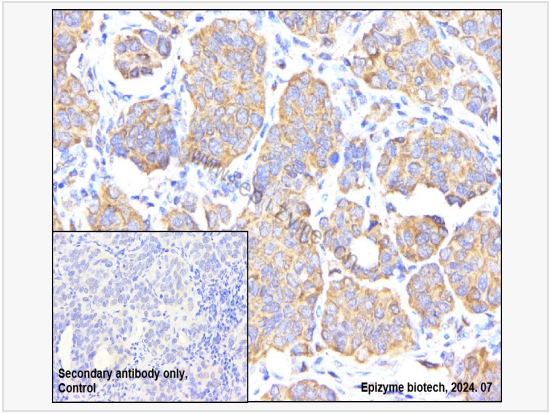
Validation Images



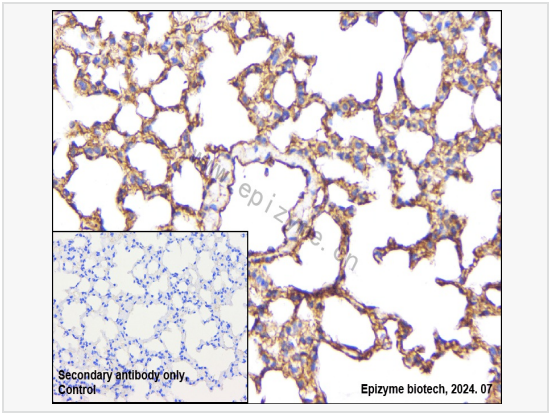
Western Blot - Anti-MEKK3 Rabbit mAb [88N92G19]
All lanes: R013992 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 3: Rat heart whole tissue lysates
Lysates/proteins at 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: 71 kDa
Observed band size: 71 kDa
Developed using the ECL technique (Cat. No. SQ201).



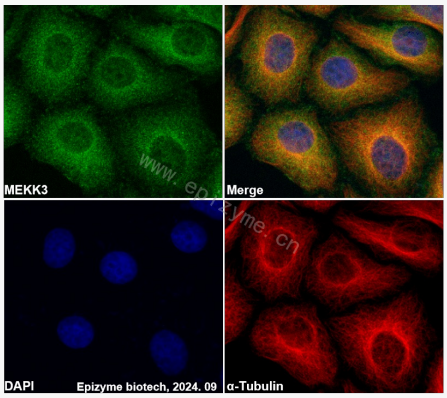
Immunohistochemistry - Anti-c Rabbit mAb [88N92G19]
Sample: Paraformaldehyde-fixed, paraffin embedded rat spleen tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R013992 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated 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-MEKK3 Rabbit mAb [88N92G19]
Sample: Paraformaldehyde-fixed, paraffin embedded human ovarian cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R013992 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-MEKK3 Rabbit mAb [88N92G19]
Sample: Paraformaldehyde-fixed, paraffin embedded mouse lung tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R013992 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-MEKK3 Rabbit mAb [88N92G19]
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: R013992 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).