

Anti-MAPK6 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

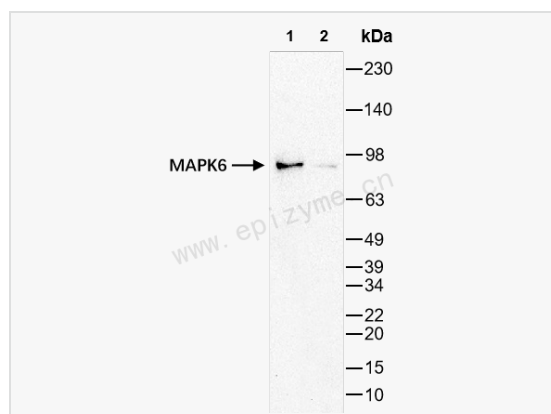
Catalog # R013155

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:3,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	45L18K54
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human MAPK6
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% 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-MAPK6 Rabbit mAb [45L18K54] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	ERK3; PRKM6; MAPK6; Mitogen-activated protein kinase 6; MAP kinase 6; MAPK 6; Extracellular signal-regulated kinase 3; MAP kinase isoform p97; ERK-3; p97-MAPK.
Calculated MW	Calculated MW: 83 kDa; Observed MW: 83 kDa
Uniprot ID	Q16659
Gene ID	5597
Background	The protein encoded by this gene is a member of the Ser/Thr protein kinase family, and is most closely related to mitogen-activated protein kinases (MAP kinases). MAP kinases also known as extracellular signal-regulated kinases (ERKs), are activated through protein phosphorylation cascades and act as integration points for multiple biochemical signals. This kinase is localized in the nucleus, and has been reported to be activated in fibroblasts upon treatment with serum or phorbol esters. [provided by RefSeq, Jul 2008]
Cellular Location	Cytoplasm.Nucleus.Translocates to the cytoplasm following interaction with MAPKAPK5.
Tissue Location	Highest expression in the skeletal muscle, followed by the brain. Also found in heart, placenta, lung, liver, pancreas, kidney and skin fibroblasts.



Western Blot - Anti-MAPK6 Rabbit mAb [45L18K54]

All lanes: R013155 at 1:3,000 dilution

Lane 1: K562 (Human chronic myeloid leukemia cell) whole cell lysates

Lane 2: U87 (Human malignant glioblastoma epithelial cell) whole cell lysates

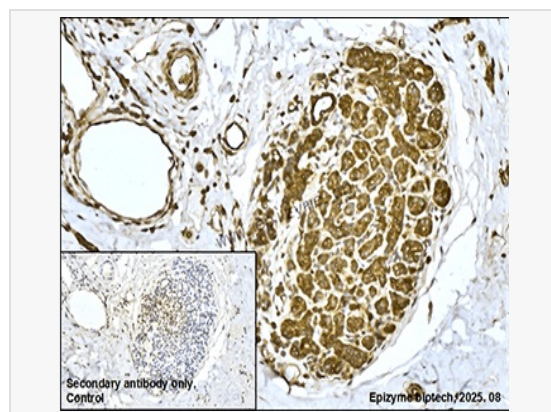
Lysates/proteins at 10 µg per lane.

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

Predicted band size: 83 kDa

Observed band size: 83 kDa

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



Immunohistochemistry - Anti-MAPK6 Rabbit mAb [45L18K54]

Sample: Paraformaldehyde-fixed, paraffin embedded human breast cancer tissue

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

Primary antibody: R013155 at 1:200 dilution

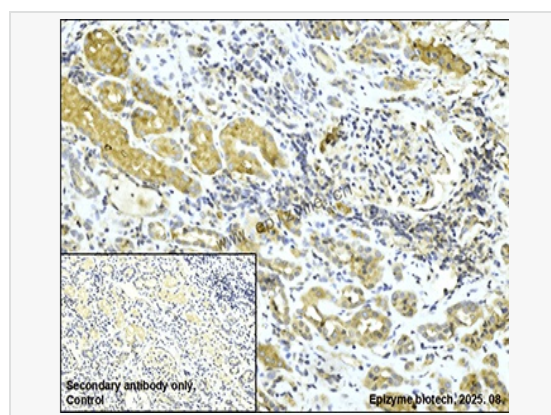
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

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-MAPK6 Rabbit mAb [45L18K54]

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

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

Primary antibody: R013155 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.