

## Anti-MK3 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

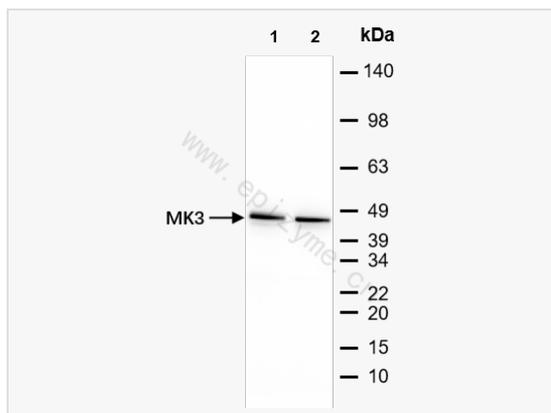
Catalog # R014456

### Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	47L20Q98
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human MK3
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-MK3 Rabbit mAb [47L20Q98] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	3pK, anti MAPKAPK3, Chromosome 3p kinase, EC 2.7.11.1, MAP kinase-activated protein kinase 3, MAPK activated protein kinase 3, MAPK-activated protein kinase 3, MAPK3_HUMAN, MAPKAP, MAPKAP kinase 3, MAPKAP-K3, MAPKAP3, MAPKAPK 3, MAPKAPK-3, Mapkapk3, MAPKAPK3 antibody, Mitogen activated protein kinase activated protein kinase 3, Mitogen activated protein kinase activated protein kinase, MK-3.
Calculated MW	Calculated MW: 43 kDa; Observed MW: 43 kDa
Uniprot ID	Q16644
Gene ID	7867
Background	Stress-activated serine/threonine-protein kinase involved in cytokines production, endocytosis, cell migration, chromatin remodeling and transcriptional regulation.
Cellular Location	Nucleus. Cytoplasm. Predominantly located in the nucleus, when activated it translocates to the cytoplasm.
Tissue Location	Widely expressed, with a higher expression level observed in heart and skeletal muscle. No expression in brain.



Western Blot - Anti-MK3 Rabbit mAb [47L20Q98]

All lanes: R014456 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

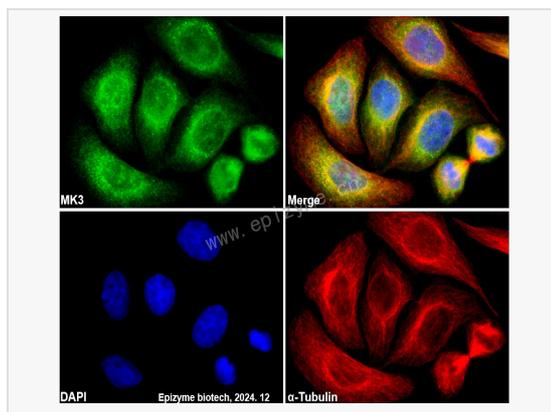
Lysates/proteins at 10 µg per lane.

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: 43 kDa

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



Immunofluorescence - Anti-MK3 Rabbit mAb [47L20Q98]

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: R014456 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).