

Anti-MAPK1/MAPK3 Rabbit pAb

Purified Rabbit Polyclonal Antibody

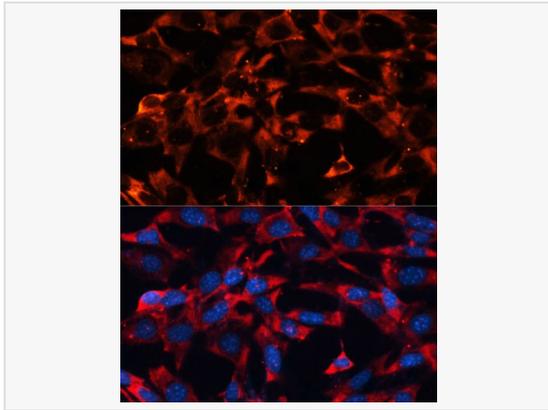
Catalog # P103452

Product Information

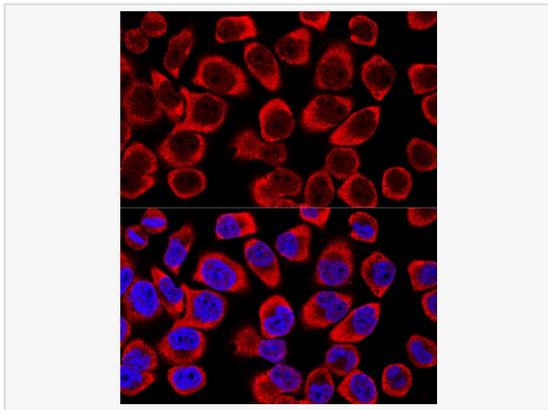
Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 200-300 of human MAPK1/MAPK3 (NP_620407.1/NP_002737.2).
Format	Affinity purified polyclonal 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-MAPK1/MAPK3 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

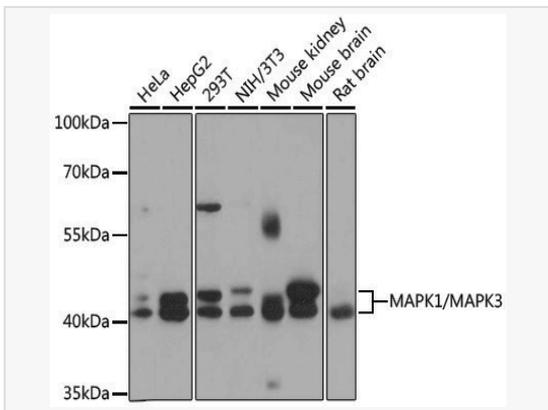
Synonyms	ERK 1; ERK-1; ERK1;ERT1; Extracellular signal regulated kinase 1; Extracellular signal-regulated kinase 1; HS44KDAP; HUMKER1A; Insulin-stimulated MAP2 kinase; MAP kinase 1; MAP kinase 3; MAP kinase isoform p42; MAP kinase isoform p44; MAPK 1;MAPK 3; Mapk1; MAPK3; Microtubule-associated protein 2 kinase; Mitogen-activated protein kinase 1; Mitogen-activated protein kinase 3; MK01_HUMAN; p38; p40; p41; p41mapk; p42-MAPK; P42MAPK; p44-ERK1; p44-MAPK; p44ERK1; p44MAPK; PRKM 2; PRKM1; PRKM3.
Calculated MW	Calculated MW: 36 kDa/38 kDa/40 kDa/41 kDa/43 kDa; Observed MW: 41 kDa/43 kDa
Uniprot ID	P28482, P27361
Gene ID	5594, 5595
Background	MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. The activation of this kinase requires its phosphorylation by upstream kinases. Upon activation, this kinase translocates to the nucleus of the stimulated cells, where it phosphorylates nuclear targets.



Immunofluorescence analysis of NIH-3T3 cells using MAPK1/MAPK3 Rabbit pAb (P103452) at dilution of 1:100 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Confocal immunofluorescence analysis of HeLa cells using MAPK1/MAPK3 Rabbit pAb (P103452) at dilution of 1:200. Blue: DAPI for nuclear staining.



Western blot analysis of various lysates using MAPK1/MAPK3 Rabbit pAb (P103452) at 1:1,000 dilution.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Kit.

Exposure time: 10s.