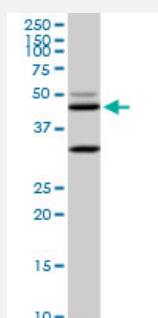


MAPK3 monoclonal antibody (M04), clone 1F7

Catalog # H00005595-M04

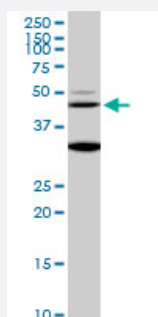
Size 100 ug

Applications



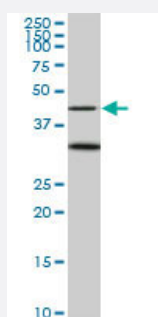
Western Blot (Cell lysate)

MAPK3 monoclonal antibody (M04), clone 1F7. Western Blot analysis of MAPK3 expression in PC-12 (Cat # L012V1).



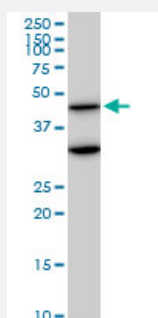
Western Blot (Cell lysate)

MAPK3 monoclonal antibody (M04), clone 1F7. Western Blot analysis of MAPK3 expression in NIH/3T3 (Cat # L018V1).



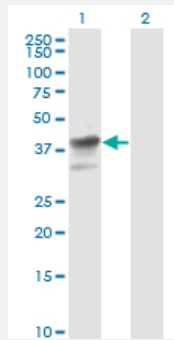
Western Blot (Cell lysate)

MAPK3 monoclonal antibody (M04), clone 1F7. Western Blot analysis of MAPK3 expression in Hela S3 NE (Cat # L013V3).



Western Blot (Cell lysate)

MAPK3 monoclonal antibody (M04), clone 1F7. Western Blot analysis of MAPK3 expression in Raw 264.7 (Cat # L024V1).

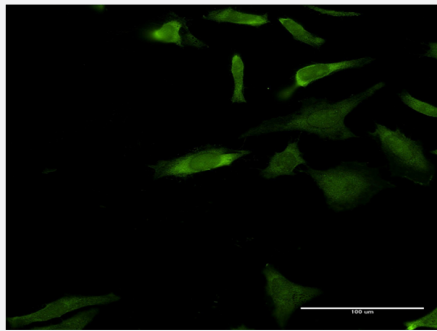


Western Blot (Transfected lysate)

Western Blot analysis of MAPK3 expression in transfected 293T cell line by MAPK3 monoclonal antibody (M04), clone 1F7.

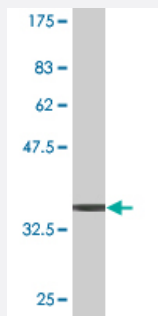
Lane 1: MAPK3 transfected lysate(43.1 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of monoclonal antibody to MAPK3 on HeLa cell .
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant MAPK3.
Immunogen	MAPK3 (AAH13992, 279 a.a. ~ 379 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	NYLQSLPSKTKVAWAKLFPKSDSKALDLLDRMLTFNPNKRITVEEALAHPPYLEQYYDPTDEPVAE EPFTFAMELDDLPKERLKEIFQETARFQPGVLEAP
Host	Mouse
Reactivity	Human, Mouse, Rat
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

MAPK3 monoclonal antibody (M04), clone 1F7. Western Blot analysis of MAPK3 expression in PC-12(Cat # L012V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

MAPK3 monoclonal antibody (M04), clone 1F7. Western Blot analysis of MAPK3 expression in NIH/3T3(Cat # L018V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

MAPK3 monoclonal antibody (M04), clone 1F7. Western Blot analysis of MAPK3 expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Cell lysate)

MAPK3 monoclonal antibody (M04), clone 1F7. Western Blot analysis of MAPK3 expression in Raw 264.7(Cat # L024V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of MAPK3 expression in transfected 293T cell line by MAPK3 monoclonal antibody (M04), clone 1F7.

Lane 1: MAPK3 transfected lysate(43.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to MAPK3 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — MAPK3

Entrez GeneID	5595
GeneBank Accession#	BC013992
Protein Accession#	AAH13992
Gene Name	MAPK3
Gene Alias	ERK1, HS44KDAP, HUMKER1A, MGC20180, P44ERK1, P44MAPK, PRKM3
Gene Description	mitogen-activated protein kinase 3
Omim ID	601795
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to a variety of extracellular signals. This kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Alternatively spliced transcript variants encoding different protein isoforms have been described. [provided by RefSeq]
Other Designations	OTTHUMP00000174538 OTTHUMP00000174540 extracellular signal-regulated kinase 1 extracellular signal-related kinase 1

Pathway

- [Acute myeloid leukemia](#)
- [Adherens junction](#)
- [Axon guidance](#)
- [B cell receptor signaling pathway](#)
- [Bladder cancer](#)
- [Chemokine signaling pathway](#)
- [Chronic myeloid leukemia](#)
- [Colorectal cancer](#)
- [Dorso-ventral axis formation](#)
- [Endometrial cancer](#)

- [ErbB signaling pathway](#)
- [Fc epsilon RI signaling pathway](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Focal adhesion](#)
- [Gap junction](#)
- [Glioma](#)
- [GnRH signaling pathway](#)
- [Insulin signaling pathway](#)
- [Long-term depression](#)
- [Long-term potentiation](#)
- [MAPK signaling pathway](#)
- [Melanogenesis](#)
- [Melanoma](#)
- [mTOR signaling pathway](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Neurotrophin signaling pathway](#)
- [Non-small cell lung cancer](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Prion diseases](#)
- [Prostate cancer](#)
- [Regulation of actin cytoskeleton](#)
- [Renal cell carcinoma](#)
- [T cell receptor signaling pathway](#)
- [TGF-beta signaling pathway](#)
- [Thyroid cancer](#)

- [Toll-like receptor signaling pathway](#)
- [Type II diabetes mellitus](#)
- [Vascular smooth muscle contraction](#)
- [VEGF signaling pathway](#)

Disease

- [Asthma](#)
- [Autistic Disorder](#)
- [Disease Models](#)
- [Genetic Predisposition to Disease](#)