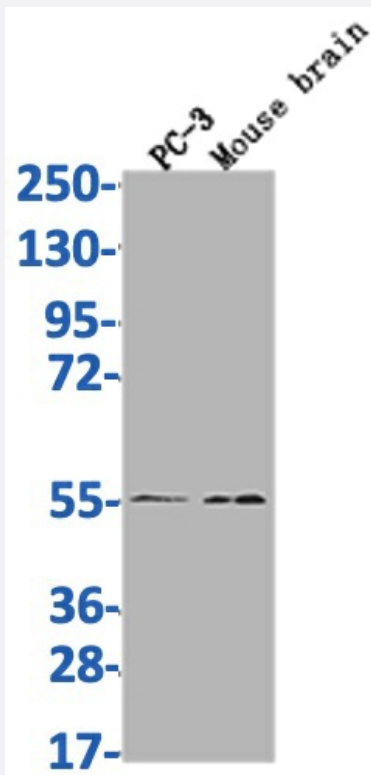


RecomAb™

MAPK10 recombinant monoclonal antibody, clone 29E10

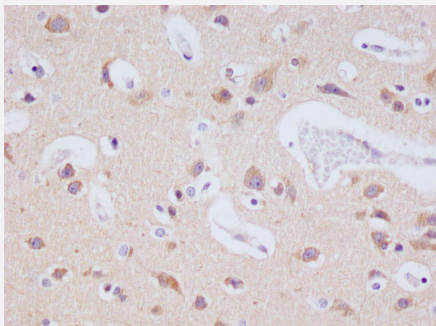
Catalog # RAB07603 Size 100 uL

Applications



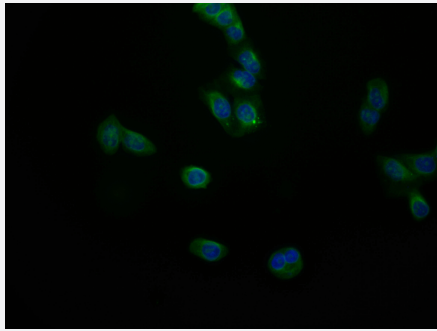
Western Blot

Western Blot analysis of Lane 1: PC-3 whole cell lysate; Lane 2: Mouse brain tissue.



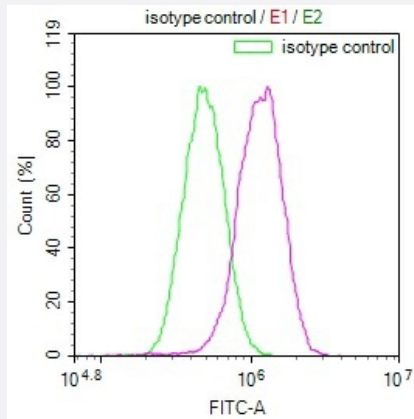
Immunohistochemistry

Immunohistochemistry image of MAPK10 recombinant monoclonal antibody, clone 29E10 diluted at 1:100 and staining in paraffin-embedded human brain tissue performed on a Leica Bond™ system.



Immunofluorescence

Immunofluorescence staining of PC-3 Cells with MAPK10 recombinant monoclonal antibody, clone 29E10 at 1:50, counter-stained with DAPI.



Flow Cytometry

Overlay Peak curve showing PC-3 cells stained with MAPK10 recombinant monoclonal antibody, clone 29E10 (red line) at 1:100.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human and mouse MAPK10.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human MAPK10.
Reactivity	Human, Mouse
Form	Liquid
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry(1:50-1:200) Immunohistochemistry(1:50-1:200) Immunofluorescence(1:20-1:200) Western Blot(1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)

Storage Instruction

Store at -20°C or -80°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of Lane 1: PC-3 whole cell lysate; Lane 2: Mouse brain tissue.

- Immunohistochemistry

Immunohistochemistry image of MAPK10 recombinant monoclonal antibody, clone 29E10 diluted at 1:100 and staining in paraffin-embedded human brain tissue performed on a Leica BondTM system.

- Immunofluorescence

Immunofluorescence staining of PC-3 Cells with MAPK10 recombinant monoclonal antibody, clone 29E10 at 1:50, counter-stained with DAPI.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Overlay Peak curve showing PC-3 cells stained with MAPK10 recombinant monoclonal antibody, clone 29E10 (red line) at 1:100.

Gene Info — MAPK10

Entrez GeneID[5602](#)**Protein Accession#**[P53779](#)**Gene Name**

MAPK10

Gene Alias

FLJ12099, FLJ33785, JNK3, JNK3A, MGC50974, PRKM10, p493F12, p54bSAPK

Gene Description

mitogen-activated protein kinase 10

Omim ID[602897](#) [606369](#)**Gene Ontology**[Hyperlink](#)

Gene Summary

The protein encoded by this gene is a member of the MAP kinase family. MAP kinases 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. This protein is a neuronal-specific form of c-Jun N-terminal kinases (JNKs). Through its phosphorylation and nuclear localization, this kinase plays regulatory roles in the signaling pathways during neuronal apoptosis. Beta-arrestin 2, a receptor-regulated MAP kinase scaffold protein, is found to interact with, and stimulate the phosphorylation of this kinase by MAP kinase kinase 4 (MKK4). Cyclin-dependent kinase 5 can phosphorylate, and inhibit the activity of this kinase, which may be important in preventing neuronal apoptosis. Four alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq]

Other Designations

JNK3 alpha protein kinase|MAP kinase|OTTHUMP00000161180|OTTHUMP00000161182|OTTHUMP00000161183|c-Jun N-terminal kinase 3|c-Jun kinase 3|stress activated protein kinase JNK3|stress activated protein kinase beta

Pathway

- [Adipocytokine signaling pathway](#)
- [Colorectal cancer](#)
- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [ErbB signaling pathway](#)
- [Fc epsilon RI signaling pathway](#)
- [Focal adhesion](#)
- [GnRH signaling pathway](#)
- [Insulin signaling pathway](#)
- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Toll-like receptor signaling pathway](#)
- [Type II diabetes mellitus](#)
- [Wnt signaling pathway](#)

Disease

- [HIV Infections](#)