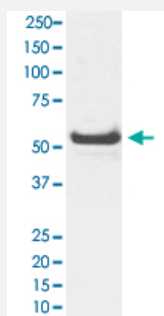


MAPK10 monoclonal antibody, clone HGC-13

Catalog # MAB20412 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of HeLa cell lysate with MAPK10 monoclonal antibody, clone HGC-13 (Cat # MAB20412).

Specification

Product Description Rabbit monoclonal antibody raised against synthetic peptide of human MAPK10.

Immunogen A synthetic peptide corresponding to human MAPK10.

Host Rabbit

Theoretical MW (kDa) 52.585

Reactivity Human

Form Liquid

Purification Affinity purification

Isotype IgG

Recommend Usage

- Flow Cytometry (1:500)
- Immunocytochemistry (1:50-1:200)
- Immunofluorescence (1:50-1:200)
- Western Blot (1:1000-1:2000)
- The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

Storage Instruction

Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. 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 (Cell lysate)

Western Blot analysis of HeLa cell lysate with MAPK10 monoclonal antibody, clone HGC-13 (Cat # MAB20412).

- Immunocytochemistry

- Immunofluorescence

- Flow Cytometry

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](#)