

# JNK3 / MAPK10 Antibody (10E4A4)

Lot Number: QG2052301

Product Data Sheet

## Tested Species Reactivity

Human (Hu)  
Mouse (Ms)

## Tested Applications

Tested Applications	Dilution *
Western Blot (WB)	1/500 - 1/2000
Immunofluorescence (IF)	1/200 - 1/1000
Immunocytochemistry (ICC)	1:200-1:1000

\* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

## Details

<b>Catalog Number:</b>	MA5-15403
<b>Size:</b>	100 µL
<b>Class:</b>	Monoclonal
<b>Type:</b>	Antibody
<b>Clone:</b>	10E4A4
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Immunogen:</b>	Purified recombinant fragment of human MAPK10 (aa28-233) expressed in E. Coli.

## Form Information

<b>Form:</b>	Liquid
<b>Storage Buffer:</b>	ascites
<b>Preservative:</b>	0.03% sodium azide
<b>Storage Conditions:</b>	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

## Product Specific Information

MA5-15403 targets MAPK10 in IF and WB applications and shows reactivity with Human and mouse samples.

The MA5-15403 immunogen is purified recombinant fragment of human MAPK10 (aa28-233) expressed in E. Coli.

MA5-15403 detects MAPK10 which has a predicted molecular weight of approximately 53kDa.

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## General Information

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. 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. 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.

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