
Product Name: MAPK10 Mouse Monoclonal Antibody**Catalog #: AMM81699**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ELISA
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:20000
Molecular Weight	52.6kDa

Antigen Information

Gene Name	MAPK10
Alternative Names	JNK3; JNK3A; PRKM10; SAPK1b; p493F12; p54bSAPK
Gene ID	5602.0
SwissProt ID	P53779
Immunogen	Purified recombinant fragment of human MAPK10 (AA: 180-329) expressed in E. Coli.

Background

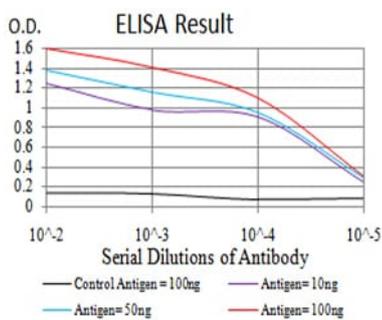
The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as integration points for multiple biochemical signals and are involved in a wide variety of cellular processes, such as proliferation, differentiation, transcription regulation and development. This kinase is specifically expressed in a subset of neurons in the nervous system and is activated

by threonine and tyrosine phosphorylation. Targeted deletion of this gene in mice suggests that it may have a role in stress-induced neuronal apoptosis. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. A recent study provided evidence for translational readthrough in this gene and expression of an additional C-terminally extended isoform via the use of an alternative in-frame translation termination codon.

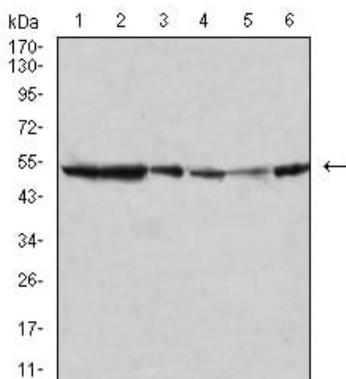
Research Area

TGF-beta signaling pathway, MAPK signaling pathway

Image Data



Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



Western blot analysis using MAPK10 mouse mAb against HEK293 (1), Hela (2), SK-N-SH (3), MCF-7 (4), Jurkat (5), and C6 (6) cell lysate.