

MAPK10 antibody

Product Information

Catalog No.:	FNab04987
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

Serine/threonine-protein kinase involved in various processes such as neuronal proliferation, differentiation, migration and programmed cell death. Extracellular stimuli such as proinflammatory cytokines or physical stress stimulate the stress-activated protein kinase/c-Jun N-terminal kinase(SAP/JNK) signaling pathway. In this cascade, two dual specificity kinases MAP2K4/MKK4 and MAP2K7/MKK7 phosphorylate and activate MAPK10/JNK3. In turn, MAPK10/JNK3 phosphorylates a number of transcription factors, primarily components of AP-1 such as JUN and ATF2 and thus regulates AP-1 transcriptional activity. Plays regulatory roles in the signaling pathways during neuronal apoptosis. Phosphorylates the neuronal microtubule regulator STMN2. Acts in the regulation of the beta-amyloid precursor protein/APP signaling during neuronal differentiation by phosphorylating APP. Participates also in neurite growth in spiral ganglion neurons. Phosphorylates the CLOCK-ARNTL/BMAL1 heterodimer and plays a role in the photic regulation of the circadian clock(PubMed:22441692).

Immunogen information

Immunogen:	mitogen-activated protein kinase 10
Synonyms:	Mitogen-activated protein kinase 10 (MAP kinase 10, MAPK 10) MAP kinase p49 3F12 Stress-activated protein kinase 1b (SAPK1b) Stress-activated protein kinase JNK3 c-Jun N-terminal kinase 3 MAPK10 JNK3 JNK3A PRKM10 SAPK1B
Observed MW:	45-48 kDa, 54-57 kDa
Uniprot ID :	P53779

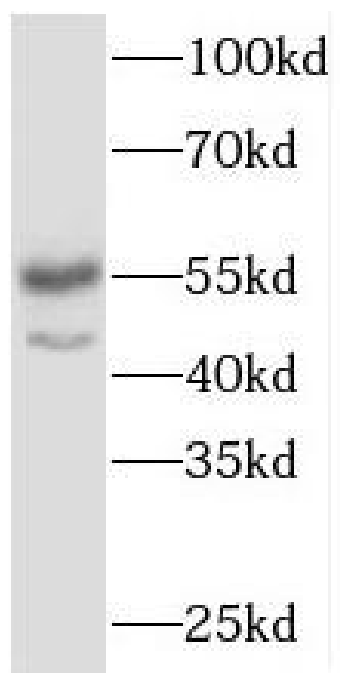
Application

Reactivity: Human, Mouse, Rat

Tested Application: ELISA, WB, IF

Recommended dilution: WB: 1:500-1:2000; IF: 1:20-1:200

Image:



mouse brain tissue were subjected to SDS PAGE followed by western blot with FNab04987(MAPK10 antibody) at dilution of 1:1000