

Product datasheet for **AP14123PU-N**

JNK3 (MAPK10) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/100-1/500. Immunohistochemistry on Paraffin Sections: 1/50-1/100.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 1~30 amino acids from the N-terminal region of Human JNK3
Specificity:	This antibody Recognizes MAPK10/JNK3
Formulation:	PBS State: Purified State: Liquid purified Ig fraction Preservative: 0.09% (W/V) Sodium Azide
Concentration:	lot specific
Purification:	Protein G Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	mitogen-activated protein kinase 10
Database Link:	Entrez Gene 5602 Human P53779



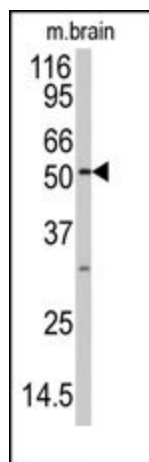
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Background:

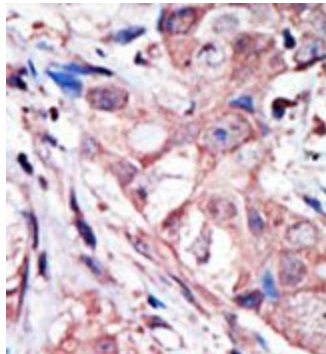
JNK3 is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This protein is a neuronal-specific form of c-Jun 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.

Synonyms:

Stress-activated protein kinase JNK3, c-Jun N-terminal kinase 3, JNK3A, PRKM10, MAP kinase p49 3F12

Product images:

Western blot analysis using Mrified Pab.



Formalin-fixed, Paraffin-embedded human cancer tissue stained with MAPK10 Antibody (N-term) which was peroxidase-conjugated to the secondary antibody, followed by AEC staining.