



# Rabbit Anti-JNK1, JNK2, JNK3 monoclonal antibody, clone TU611 (CABT-L670)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

Target	Phospho-JNK1/2/3(T183+T183+T221)
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TU611
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP, FC
Molecular Weight	54/46 kDa
Cellular Localization	Cytoplasm, Nucleus, Membrane, Mitochondrion.
Positive Control	HUVEC, NIH/3T3, Hela, mouse heart tissue, human liver tissue, human uterus tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

**Storage**

Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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## BACKGROUND

**Introduction**

JNKs (c-Jun N-terminal kinases) belong to a family of MAP kinases that are involved in a variety of cellular processes, including transcriptional regulation and cellular proliferation, differentiation and development. JNK2 (c-Jun N-terminal kinase 2) and JNK3 (c-Jun N-terminal kinase 3) are 424 and 464 amino acid proteins, respectively, that each contain one protein kinase domain and use magnesium as a cofactor to catalyze the phosphorylation of target proteins, thereby playing a role in a variety of events throughout the cell. Both JNK2 and JNK3 exist as multiple alternatively spliced isoforms and are subject to post-translational phosphorylation on Thr 183 and Thr 221, respectively, an event which activates JNK2/JNK3 enzymatic activity. Defects in the gene encoding JNK3 are a cause of epileptic encephalopathy of the Lennox-Gastaut type, a group of epileptic disorders characterized by severe psychomotor delay and seizures.

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**Keywords**

C Jun kinase 2;c Jun N terminal kinase 1;c Jun N terminal kinase 2;c Jun N terminal kinase 3;c-Jun N-terminal kinase 1;JNK 46;JNK 55;JNK;JNK-46;JNK1;JNK1A2;JNK2;JNK21B1/2;JNK2A;JNK2ALPHA;JNK2B;JNK2BETA;JNK3 alpha protein kinase;JNK3;JNK3A;Jun kinase;JUN N terminal kinase;MAP kinase 10;MAP kinase 8;MAP kinase 9;MAP kinase p49 3F12;MAPK 10;MAPK 8;MAPK 9;MAPK10;mapk8;MAPK9;Mitogen activated protein kinase 10;Mitogen activated protein kinase 8;Mitogen activated protein kinase 8 isoform JNK1 alpha1;Mitogen activated protein kinase 8 isoform JNK1 beta2;Mitogen activated protein kinase 9;Mitogen-activated protein kinase 8;MK08\_HUMAN;p493F12;p54a;p54aSAPK;p54bSAPK;PRKM10;PRKM8;PRKM9;SAPK;SAPK(beta);SAPK-activated protein kinase 1;Stress activated protein kinase 1a;Stress activated protein kinase 1b;Stress activated protein kinase 1c;Stress activated protein kinase beta;Stress activated protein kinase JNK1;Stress activated protein kinase JNK2;Stress activated protein kinase JNK3;Stress-activated protein kinase 1c;Stress-activated protein kinase JNK1 antibody

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