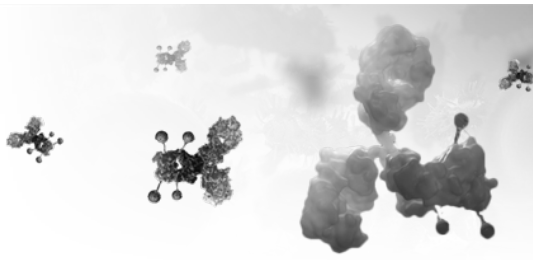

Rabbit Anti-JNK1/JNK3 monoclonal antibody, clone KK19-97 (CABT-L831)

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

PRODUCT INFORMATION

Target	JNK1+JNK3
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	KK19-97
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, IP
Molecular Weight	48 kDa
Cellular Localization	Cytoplasm, Nucleus, Membrane, Mitochondrion.
Positive Control	NIH/3T3, PC-12.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

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

BACKGROUND

Introduction	c-Jun N-terminal kinases (JNKs) phosphorylate and augment transcriptional activity of c-Jun. JNKs originate from three genes that yield 10 isoforms through alternative mRNA splicing, including JNK1a1,JNK1b1, JNK2a1, JNK2b1, and JNK3a1, which represent the p46 isoforms, and JNK1a2, JNK1b2, JNK2a2, JNK2b2, and JNK3b2, which represent the p54 isoforms.JNKs coordinate cell responses to stress and influence regulation of cell growth and transformation. The human JNK1 (PRKM8, SAPK1, MAPK8) gene maps to chromosome 10q11.22 and shares 83% amino acid identity with JNK2. JNK1 is necessary for normal activation and differentiation of CD4 helper T (TH) cells into TH1 and TH2 effector cells. Capsaicin activates JNK1 and p38 in ras-transformed human breast epithelial cells. Nitrogen oxides (NOx) upregulate JNK1 in addition to c-Fos, c-Jun, and other signaling kinases, including MEKK1 and p38. JNK3 (MK10, MAPK10, PRKM10) is activated by pro-inflammatory cytokines and environmental stresss by phosphorylating transcription factors such as c-Jun and ATF2. This is important for AP-1 transcriptional activity regulation. JNK3 is crucial for neuronal apoptosis (stress-induced).
Keywords	c Jun N terminal kinase 3;c Jun N-terminal kinase 1;JNK 46;JNK;JNK1;JNK1A2;JNK21B1/2;JNK3 alpha protein kinase;JNK3;JNK3A;JUN N terminal kinase;MAP kinase 10;MAP kinase 8;MAP kinase p49 3F12;MAPK 10;MAPK10;MAPK8;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;p493F12;p54bSAPK;PRKM10;PRKM8;SAPK1;SAPK1b;SAPK1c;Stress activated protein kinase 1;Stress activated protein kinase 1b;Stress activated protein kinase 1c;Stress activated protein kinase beta;Stress activated protein kinase JNK3 antibody

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