



# Rabbit Anti-JNK1/JNK2/JNK3 monoclonal antibody, clone TB54-17 (CABT-L570)

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

## PRODUCT INFORMATION

<b>Target</b>	JNK1+JNK2+JNK3
<b>Immunogen</b>	Recombinant protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat, Cow, Monkey, zebrafish
<b>Clone</b>	TB54-17
<b>Purification</b>	Protein A purified.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ICC/IF, IP
<b>Molecular Weight</b>	46/54 kDa
<b>Cellular Localization</b>	Cytoplasm, Nucleus, Membrane, Mitochondrion
<b>Positive Control</b>	HUVEC, MCF-7, HeLa, HepG2, human liver tissue, mouse liver tissue, mouse brain tissue, human lung tissue.
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

<b>Preservative</b>	0.05% Sodium Azide
<b>Storage</b>	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

## BACKGROUND

<b>Introduction</b>	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 (NO <sub>x</sub> ) upregulate JNK1 in addition to c-Fos, c-Jun, and other signaling kinases, including MEKK1 and p38.
<b>Keywords</b>	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