

产品名称: JNK3 (19B13) Rabbit Monoclonal Antibody
产品货号: AMRe12847



产品概述 (Summary)

产品名称 (Production Name)	JNK3 (19B13) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB, ICC/IF, FC
种属反应性 (Reactivity)	Human, Mouse, Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	MAPK10
别名 (Alternative Names)	Mitogen-activated protein kinase 10; MAP kinase 10; MAPK 10; MAP kinase p49 3F12; Stress-activated protein kinase 1b; SAPK1b; MAPK10; JNK3; JNK3A; PRKM10; SAPK1B;
基因 ID (Gene ID)	5602.0
蛋白 ID (SwissProt ID)	P53779.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:1000-1:5000, ICC/IF 1:100-1:200, FC 1:1000-1:10000
蛋白分子量 (Molecular Weight)	53kDa

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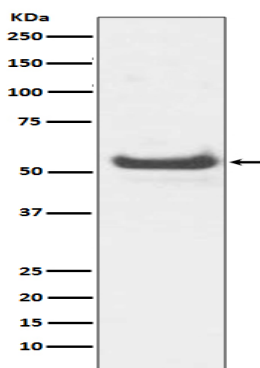
研究背景 (Background)

The stress-activated protein kinase/Jun-amino-terminal kinase SAPK/JNK is potently and preferentially activated by a variety of environmental stresses including UV and gamma radiation, ceramides, inflammatory cytokines, and in some instances, growth factors and GPCR agonists. Plays regulatory roles in the signaling pathways during neuronal apoptosis. 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 amyloid-beta 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). Phosphorylates JUND and this phosphorylation is inhibited in the presence of MEN1 (PubMed:22327296).

研究领域 (Research Area)

Toll_Like; Stem cell pathway; Insulin Receptor; MAPK_ERK_Growth;MAPK_G_Protein; ErbB/HER; SAPK_JNK; WNT;WNT-T CELL;β-Catenin; Cell Growth

图片 (Image Data)



Western blot analysis of JNK3 expression in HeLa lysate.

注意事项 (Note)

For research use only .