Product **Datasheet**

Anti-JNK Rabbit pAb

WL01295

For Research Use Only.Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-JNK Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:500-1:1000
	IHC, IF	1:50-1:300
Cellular localization	Cytoplasm. Nucleus	
Pack size	50/100/200/500/1000µl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background

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.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of JNK.

Purification

Polyclonal antibody was purified by immunogen affinity chromatography.

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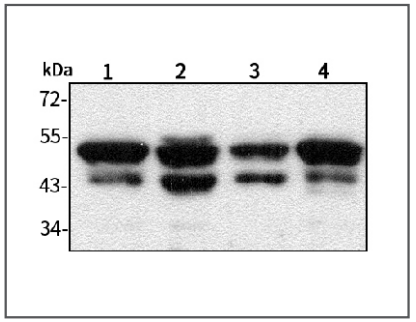
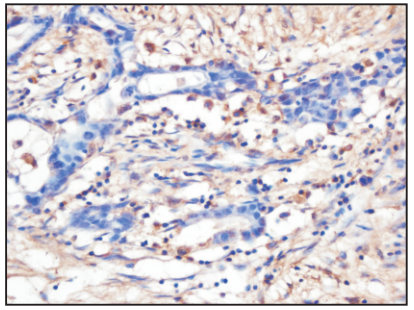
Product Images



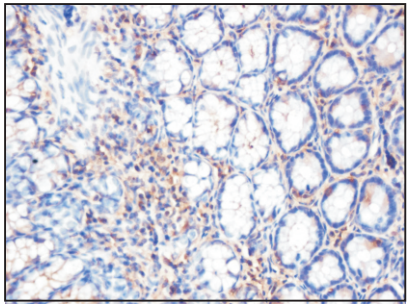
Western blot-Anti-JNK pAb

Lane 1: Human Hela cell lysate
Lane 2: Human MCF-7 cell lysate
Lane 3: Human HEK-293 cell lysate
Lane 4: Human MGC-803 cell lysate
All lanes: Anti-JNK at 1:1000 dilution
Lysates/proteins at 20-50 µg per lane.
Predicted band size: 46,54 kDa
Observed band size: 46,54 kDa



Immunohistochemistry-Anti-JNK pAb

Immunohistochemical analysis of paraffin-embedded human pancreatic cancer using anti-JNK Rabbit Antibody at 1:150 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunohistochemistry-Anti-JNK pAb

Immunohistochemical analysis of paraffin-embedded rat colon using anti-JNK Rabbit Antibody at 1:300 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

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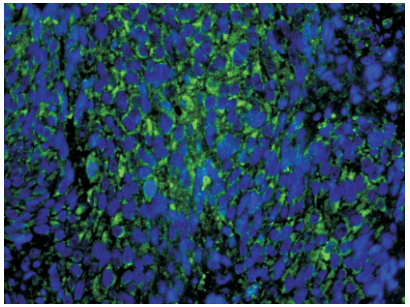
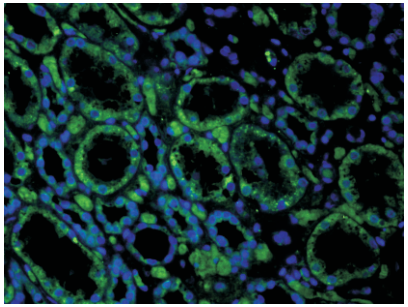


Immunofluorescence-Anti-JNK pAb

Immunofluorescence analysis of paraffin-embedded human lung adenocarcinoma using anti-JNK Rabbit Antibody at 1:50 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-JNK pAb

Immunofluorescence analysis of paraffin-embedded human kidney cancer using anti-JNK Rabbit Antibody at 1:50 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0