Datasheet for ABIN747713

anti-JNK antibody (AA 151-250)

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Overview

Quantity:	100 µL
Target:	JNK (MAPK8)
Binding Specificity:	AA 151-250
Reactivity:	Human, Mouse, Rat, Chicken, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This JNK antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse JNK1/2/3
Isotype:	IgG
Cross-Reactivity:	Chicken, Human, Mouse, Pig, Rat
Predicted Reactivity:	Dog,Cow
Purification:	Purified by Protein A.

Target Details

Target:	JNK (MAPK8)

Target Details

Alternative Name:	JNK1+2+3 (MAPK8 Products)
Background:	Synonyms: JNK3, Serk2, JNK3B1, JNK3B2, p493F12, p54bSAPK, SAPK(beta), C238H4Rik, JNK, JNK1, Prkm8, SAPK1, AI849689, JNK2, Prkm9, AI85183, p54aSAPK, Mitogen-activated protein kinase 1, MAP kinase 1, MAPK 1, MAP kinase p49 3F12, Stress-activated protein kinase JNK3, c-Jun N-terminal kinase 3, Mapk1, Prkm1 Background: 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 MAPK1/JNK3. In turn, MAPK1/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 beta-amyloid precursor protein/APP signaling during neuronal differentiation by phosphorylating APP. Participates also in neurite growth in spiral ganglion neurons.
UniProt:	Q61831
Pathways:	MAPK Signaling, WNT Signaling, TLR Signaling, Fc-epsilon Receptor Signaling Pathway, Neurotrophin Signaling Pathway, Activation of Innate immune Response, Hepatitis C, Toll-Like Receptors Cascades, Signaling of Hepatocyte Growth Factor Receptor, S100 Proteins

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

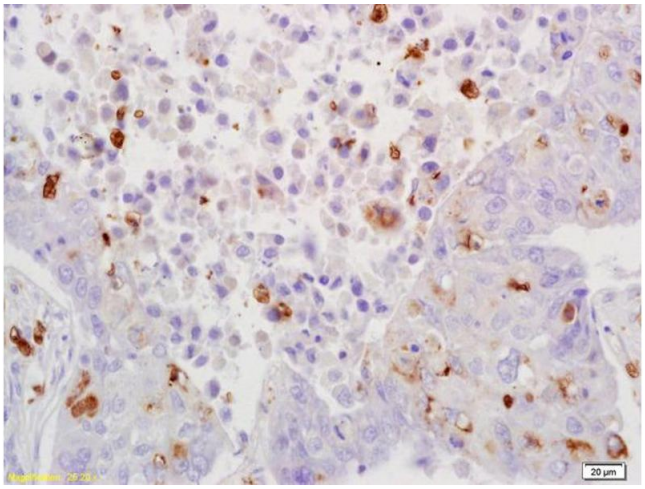
Publications

Product cited in:

Wang, Fan, Chu, Zhang, Rahman, Jiang, Chen, Zhu, Feng, Li, Wu: "Deoxynivalenol induces toxicity and apoptosis in piglet hippocampal nerve cells via the MAPK signaling pathway." in: **Toxicon : official journal of the International Society on Toxinology**, Vol. 155, pp. 1-8, (2018) (PubMed).

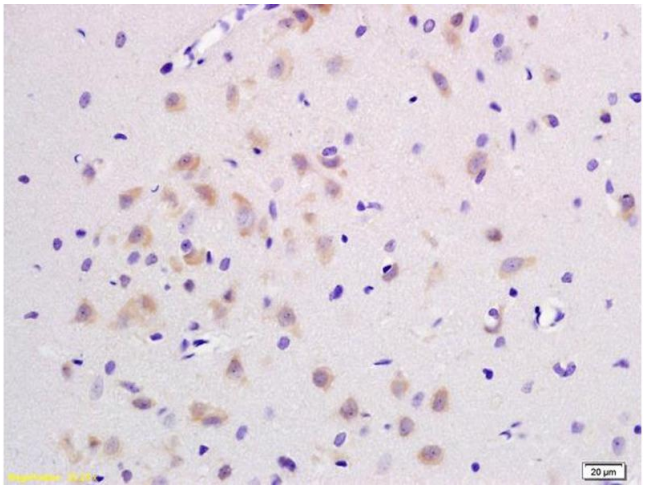
Li, Qiu, Lin, He, Hua, Yuan, Liu, Wei: "c-Jun N-terminal kinase is upregulated in patients with hypospadias." in: **Urology**, Vol. 81, Issue 1, pp. 178-83, (2012) (PubMed).

Images



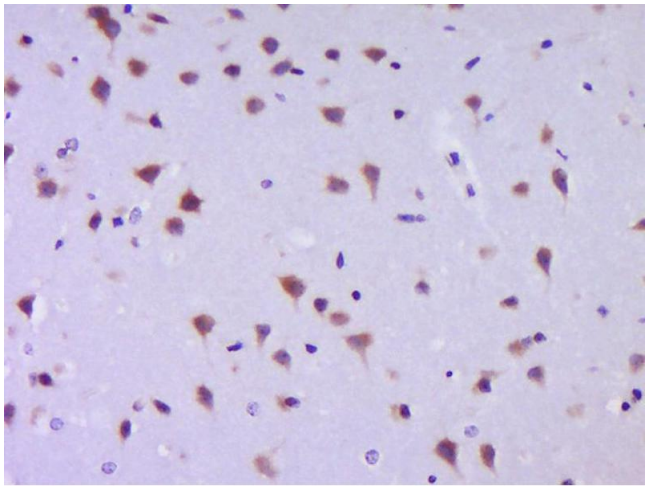
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human lung carcinoma labeled with Rabbit Anti-JNK1/2/3 Polyclonal Antibody, Unconjugated (ABIN747713) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti JNK1/2/3 Polyclonal Antibody, Unconjugated (ABIN747713) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Paraformaldehyde-fixed, paraffin embedded Mouse brain Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes Blocking buffer (normal goat serum) at 37°C for 30min Antibody incubation with JNK1+2+3 Polyclonal Antibody, Unconjugated at 1:400 overnight at 4°C, DAB staining.