Datasheet for ABIN391724

anti-JNK antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	JNK (MAPK8)
Binding Specificity:	AA 358-389, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This JNK antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This MAPK8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 358-389 amino acids from the C-terminal region of human MAPK8.
Clone:	RB0922
Isotype:	Ig Fraction
Predicted Reactivity:	Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	JNK (MAPK8)

Target Details

Alternative Name:	JNK1 (MAPK8 Products)
Background:	JNK1 is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is activated by various cell stimuli, and targets specific transcription factors, and thus mediates immediate-early gene expression in response to cell stimuli. The activation of this kinase by tumor-necrosis factor alpha (TNF-alpha) is found to be required for TNF-alpha induced apoptosis. This kinase is also involved in UV radiation induced apoptosis, which is thought to be related to cytochrom c-mediated cell death pathway. Studies of the mouse counterpart of this gene suggested that this kinase play a key role in T cell proliferation, apoptosis and differentiation.
Molecular Weight:	48296
Gene ID:	5599
NCBI Accession:	NP_001265476, NP_002741, NP_620634, NP_620637
UniProt:	P45983
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:	IF: 1:10~50. WB: 1:2000. IHC-P: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Handling

Expiry Date:	6 months

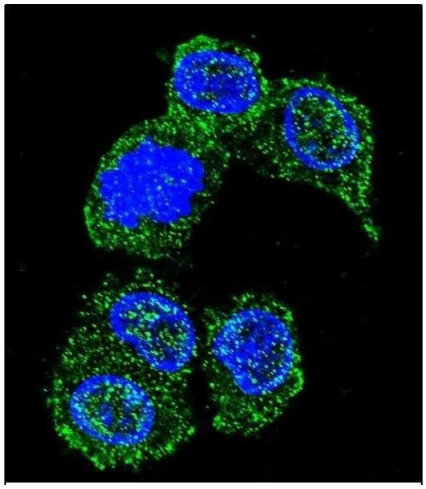
Publications

Product cited in:	Li, Sahbaie, Zheng, Ritchie, Peltz, Mogil, Clark: "Expression genetics identifies spinal mechanisms supporting formalin late phase behaviors." in: **Molecular pain**, Vol. 6, pp. 11, (2010) (PubMed).

Images

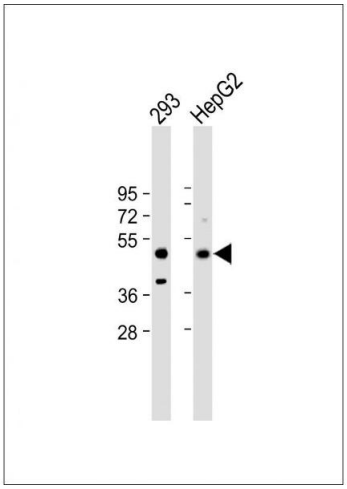
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. PK8 Antibody (C-term) (ABIN391724 and ABIN2841613) immunohistochemistry analysis in forlin fixed and paraffin embedded hun breast tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PK8 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of PK8 Antibody (C-term) (ABIN391724 and ABIN2841613) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green).DI was used to stain the cell nuclear (blue).



Western Blotting

Image 3. All lanes : Anti-PK8 Antibody (C-term) at 1:2000 dilution Lane 1: 293 whole cell lysate Lane 2: HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 48 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.