Datasheet for ABIN2856116

anti-JNK2 antibody

3 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	JNK2 (MAPK9)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This JNK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human JNK2. The exact sequence is proprietary.
Isotype:	IgG
Specificity:	This antibody may cross with JNK1 or JNK3.
Cross-Reactivity:	Human, Mouse, Plutella xylostella, Rat
Characteristics:	Rabbit Polyclonal antibody to JNK2 (mitogen-activated protein kinase 9) JNK2 antibody [N1C3]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	JNK2 (MAPK9)

Target Details

Alternative Name:	mitogen-activated protein kinase 9 (MAPK9 Products)
Background:	The protein encoded by this gene 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 targets specific transcription factors, and thus mediates immediate-early gene expression in response to various cell stimuli. It is most closely related to MAPK8, both of which are involved in UV radiation induced apoptosis, thought to be related to the cytochrome c-mediated cell death pathway. This gene and MAPK8 are also known as c-Jun N-terminal kinases. This kinase blocks the ubiquitination of tumor suppressor p53, and thus it increases the stability of p53 in nonstressed cells. Studies of this gene's mouse counterpart suggest a key role in T-cell differentiation. Several alternatively spliced transcript variants encoding distinct isoforms have been reported.
Molecular Weight:	48 kDa
Gene ID:	5601
UniProt:	P45984
Pathways:	MAPK Signaling, WNT Signaling, TLR Signaling, Fc-epsilon Receptor Signaling Pathway, Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin, Positive Regulation of Endopeptidase Activity, Hepatitis C, Toll-Like Receptors Cascades, BCR Signaling, S100 Proteins

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: MCF-7 Validation: Overexpression
Restrictions:	For Research Use only

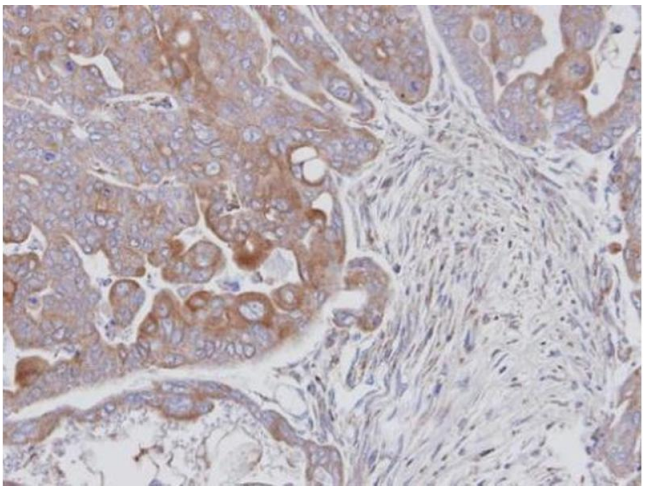
Handling

Format:	Liquid
Concentration:	0.57 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal

Handling

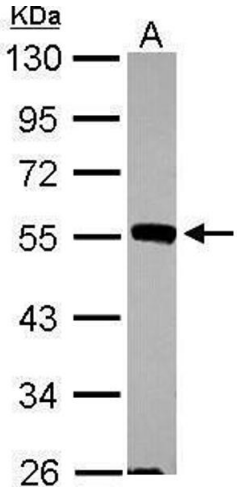
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



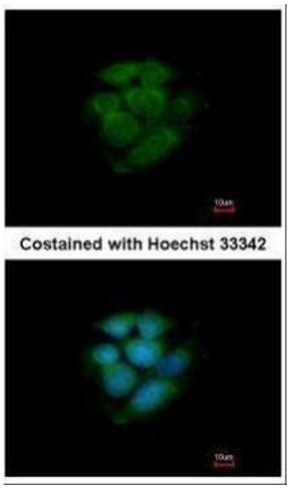
Immunohistochemistry

Image 1. IHC-P Image Immunohistochemical analysis of paraffin-embedded N87 xenograft, using MAPK9, antibody at 1:100 dilution.



Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A: MCF-7 10% SDS PAGE antibody diluted at 1:1000



Immunofluorescence

Image 3. ICC/IF Image Immunofluorescence analysis of methanol-fixed MCF-7, using JNK2, antibody at 1:200 dilution.

