

Datasheet for ABIN7244543

anti-JNK2 antibody

3 Images

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Overview

Quantity:	200 µL
Target:	JNK2 (MAPK9)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This JNK2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Synthetic peptide of human MAPK9
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	JNK2 (MAPK9)
Alternative Name:	JNK2 (MAPK9 Products)
Background:	Responds to activation by environmental stress and pro-inflammatory cytokines by phosphorylating a number of transcription factors, primarily components of AP-1 such as c-Jun and ATF2 and thus regulates AP-1 transcriptional activity. In T-cells, JNK1 and JNK2 are required for polarized differentiation of T-helper cells into Th1 cells. JNK2 isoforms display

Target Details

different binding patterns: alpha-1 and alpha-2 preferentially bind to c-Jun, whereas beta-1 and beta-2 bind to ATF2. However, there is no correlation between binding and phosphorylation, which is achieved at about the same efficiency by all isoforms. JUNB is not a substrate for JNK2 alpha-2, and JUND binds only weakly to it.

Molecular Weight: Observed_MW: Refer to figures
Calculated_MW: 48 kDa

NCBI Accession: [NP_620707](#)

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 1:500-1:2000, IHC 1:25-1:100

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.4 mg/mL

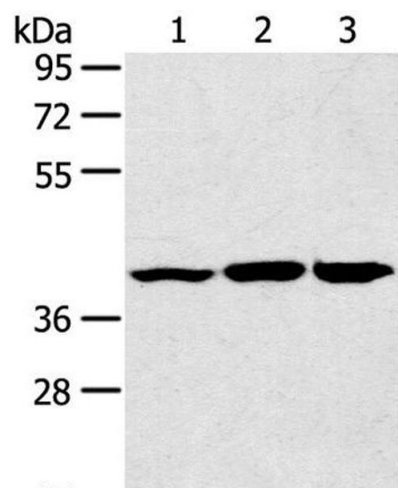
Buffer: PBS with 0.05 % sodium azide and 50 % glycerol, PH7.4

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

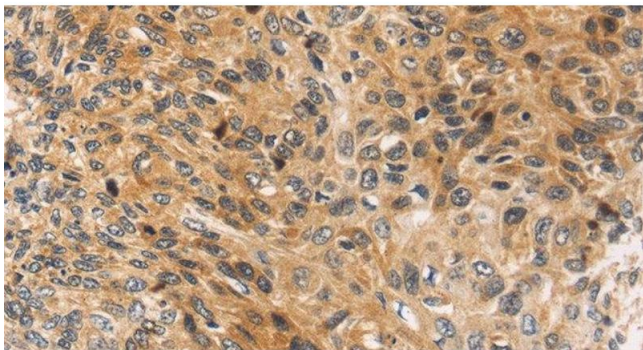
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



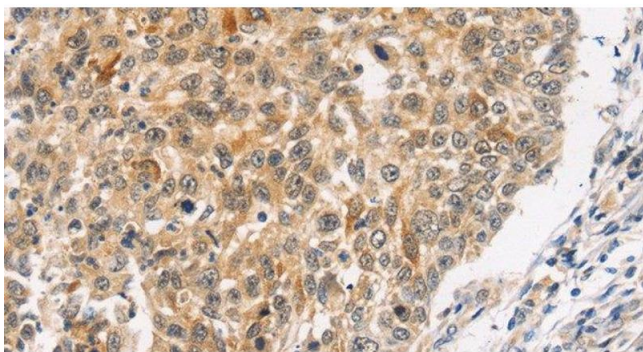
Western Blotting

Image 1. Western Blot analysis of Raw264.7 cell, Mouse brain and heart tissue using JNK2 Polyclonal Antibody at dilution of 1:200



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded Human esophagus cancer using JNK2 Polyclonal Antibody at dilution of 1:30



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Human lung cancer using JNK2 Polyclonal Antibody at dilution of 1:30