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Datasheet for ABIN732368

anti-JNK antibody (pThr183, pTyr185)

4 Images

16 Publications

Overview

Quantity:	100 µL
Target:	JNK (MAPK8)
Binding Specificity:	pThr183, pTyr185
Reactivity:	Human, Mouse, Rat, Dog, Rabbit
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)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human JNK1 around the phosphorylation site of Thr183/Tyr185
Isotype:	IgG
Cross-Reactivity:	Dog, Human, Mouse, Rabbit, Rat
Predicted Reactivity:	Cow,Pig
Purification:	Purified by Protein A.

Target Details

Target:	JNK (MAPK8)
Alternative Name:	JNK1+2+3 (MAPK8 Products)
Background:	<p>Synonyms: JNK, JNK1, PRKM8, SAPK1, JNK-46, JNK1A2, SAPK1c, JNK21B1/2, Mitogen-activated protein kinase 8, MAP kinase 8, MAPK 8, Stress-activated protein kinase 1c, Stress-activated protein kinase JNK1, c-Jun N-terminal kinase 1, MAPK8</p> <p>Background: JNK1 isoforms display different binding patterns: beta-1 preferentially binds to c-Jun, whereas alpha-1, alpha-2, and beta-2 have a similar low level of binding to both c-Jun or ATF2. However, there is no correlation between binding and phosphorylation, which is achieved at about the same efficiency by all isoforms.</p>
Gene ID:	5599
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:	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 ICC 1:100-500
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

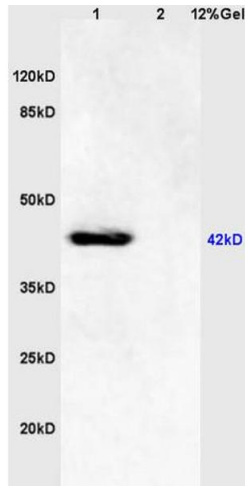
Handling

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

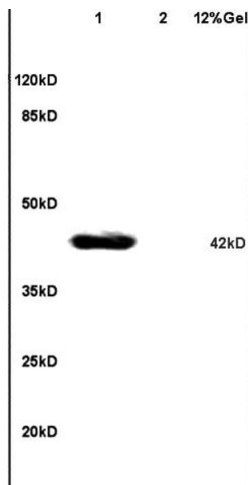
- Product cited in:
- Uehara, Temma, Kobayashi, Irie, Yamaguchi: "Reduction of Thermotolerance by Heat Shock Protein 90 Inhibitors in Murine Erythroleukemia Cells." in: **Biological & pharmaceutical bulletin**, Vol. 41, Issue 9, pp. 1393-1400, (2018) ([PubMed](#)).
- Ning, Wang, Gao, Mu, Wang, Liu, Zhu, Meng: "Chicory inulin ameliorates type 2 diabetes mellitus and suppresses JNK and MAPK pathways in vivo and in vitro." in: **Molecular nutrition & food research**, (2017) ([PubMed](#)).
- Liu, Zhang, Han, Wang, Liu, Zhang, Zhou, Xiang: "Inhibition of BTK protects lungs from trauma-hemorrhagic shock-induced injury in rats." in: **Molecular medicine reports**, Vol. 16, Issue 1, pp. 192-200, (2017) ([PubMed](#)).
- Li, Wang, Zhou, Zhang, Le, He: "Downregulation of BRAF-activated non-coding RNA suppresses the proliferation, migration and invasion, and induces apoptosis of hepatocellular carcinoma cells." in: **Oncology letters**, Vol. 14, Issue 4, pp. 4751-4757, (2017) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)



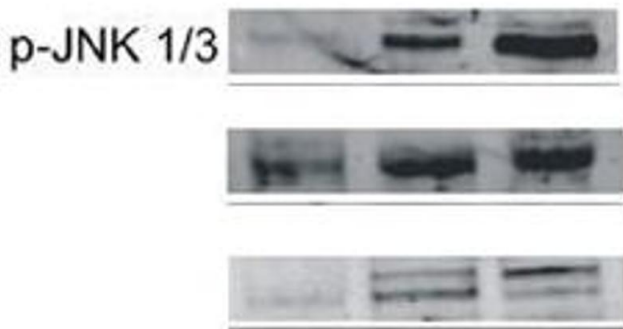
SDS-PAGE

Image 1. L1 mouse brain lysates L2 human colon carcinoma lysates probed with Anti - phospho-JNK1/2/3 (Thr183+Tyr185) Polyclonal Antibody, Unconjugated (ABIN732368) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted band 42kD. Observed band size: 42kD



SDS-PAGE

Image 2. L1 mouse brain lysates L2 human colon carcinoma lysates probed with Anti - phospho-JNK1/2/3 (Thr183+Thr185) Polyclonal Antibody, Unconjugated at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted band 42kD. Observed band size: 42kD



Western Blotting

Image 3. Image kindly provided by Dr. Magdalena Krol. Control tumor cells, tumor cells grown in macrophage-conditioned medium, tumor cells sorted from co-culture with macrophages, and macrophages from monocultures and sorted from co-culture with tumor cells were analyzed. Total protein concentrations in lysates were determined using a Bio-Rad protein assay. Proteins (50 mg) were resolved using SDS-PAGE and transferred onto PVDF membranes. The membranes were then blocked with 5% non-fat dry milk in TBS buffer containing 0.5% Tween 20. The membranes were then incubated overnight with the primary Rabbit Anti-JNK1+2+3 (THR183+TYR185) at 1:100 dilution. Subsequently, the membranes were washed three times in TBS containing 0.5% Tween 20 and incubated for 1

h at room temperature with secondary antibodies conjugated with the appropriate infrared (IR) fluorophore IRDyeH 800 CW or IRDyeH 680 RD at a dilution of 1:5000.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN732368.