



Datasheet for ABIN3020001

anti-MAPK8/9/10 antibody (pThr221, pTyr223)



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Overview

Quantity:	100 µL
Target:	MAPK8/9/10
Binding Specificity:	pThr221, pTyr223
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAPK8/9/10 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	A phospho specific peptide corresponding to residues surrounding T183 of human JNK1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Phosphorylated Antibodies

Target Details

Target:	MAPK8/9/10
Alternative Name:	MAPK8/MAPK9/MAPK10 (MAPK8/9/10 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

Target Details

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. Several alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Apr 2016],JNK1/JNK2/JNK3,Protein phosphorylation,Protein phosphorylation,Protein phosphorylation,MAPK8/MAPK9/MAPK10

Molecular Weight: 35 kDa/44 kDa/48 kDa/27 kDa/52 kDa

Gene ID: 5599, 5601, 5602

UniProt: [P45983](#), [P45984](#), [P53779](#)

Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

Handling

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

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.

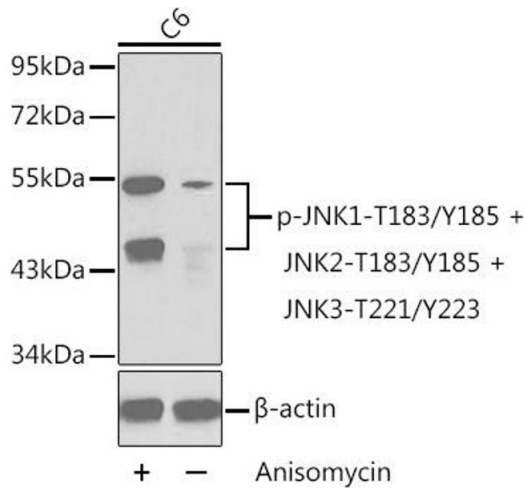
Publications

Product cited in: Kumar, Wang, Liu, Ding, Dong, Zheng, Ye, Liu: "Hypoxia-Induced Mitogenic Factor Promotes Cardiac Hypertrophy via Calcium-Dependent and Hypoxia-Inducible Factor-1α Mechanisms." in: **Hypertension (Dallas, Tex. : 1979)**, Vol. 72, Issue 2, pp. 331-342, (2018) ([PubMed](#)).

Wang, Wang, Liu, Wang, Xu, Liu, Zhu, Chen, Situ, Lin: "Broadleaf Mahonia attenuates

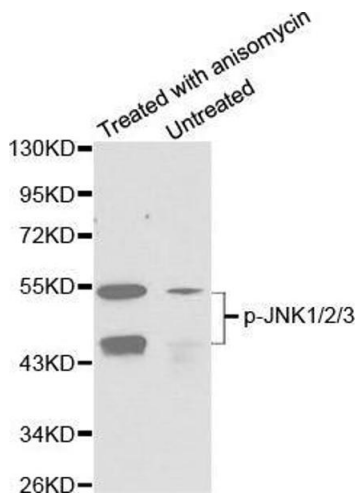
granulomatous lobular mastitis-associated inflammation by inhibiting CCL-5 expression in macrophages." in: **International journal of molecular medicine**, Vol. 41, Issue 1, pp. 340-352, (2018) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of extracts from C6 cells untreated or treated with anisomycin using Phospho-JNK1-T183/Y185 + JNK2-T183/Y185 + JNK3-T221/Y223 Antibody (ABIN3020000, ABIN3020001, ABIN3020002 and ABIN7101867). Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % BSA.



Western Blotting

Image 2. Western blot analysis of extracts from C6 cells untreated or treated with anisomycin using Phospho-MAPK8/9/10-T183/Y185 Antibody.