German Research Products - GRP GmbH

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Product Datasheet

JNK1 + 3 Polyclonal Antibody GRP252

Description JNK1(MAPK8) 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 cytochrome

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. Four alternatively spliced transcript variants encoding distinct isoforms have been

reported.JNK1 is activated by threonine and tyrosine phosphorylation by either of two dual specificity kinases, MAP2K4 and MAP2K7. The JNK pathway is critically involved in diabetes and levels are abnormally elevated in obesity. The cell-permeable JNK inhibitory peptide may have promise as a therapeutic agent

for diabetes.

Species/Host Rabbit

Reactivity Human, Mouse, Rat, Dog

Conjugation Unconjugated

Tested Applications IHC-P, WB

Immunogen KLH conjugated synthetic peptide derived from human JNK1

(public_immunogen_range: 270-320/384)

Form/Appearance Aqueous buffered solution containing 1% BSA, 50% glycerol and

0.09% sodium azide.

Concentration 1ug/ul

Storage Store at -20°C for 12 months.

Note For research use only.

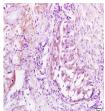
Isotype IgG

Clonality Polyclonal

Purity Purified by Protein A.

Uniprot ID P45983

Entrez 5599



WB of GRP252



IHC-P of GRP252