German Research Products - GRP GmbH

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Product Datasheet

JNK1+2+3 Polyclonal Antibody GRP483

Description Serine/threonine-protein kinase involved in various processes

such as neuronal proliferation, differentiation, migration and

programmed cell death. Extracellular stimuli such as proinflammatory cytokines or physical stress stimulate the stress-activated protein kinase/c-Jun N-terminal kinase (SAP/JNK) signaling pathway. In this cascade, two dual specificity kinases MAP2K4/MKK4 and MAP2K7/MKK7 phosphorylate and activate MAPK1/JNK3. In turn, MAPK1/JNK3 phosphorylates a number of transcription factors, primarily components of AP-1 such as JUN and ATF2 and thus regulates AP-1 transcriptional activity. Plays regulatory roles in the signaling pathways during neuronal apoptosis. Phosphorylates the neuronal microtubule regulator STMN2. Acts in the regulation of the beta-amyloid precursor protein/APP signaling during neuronal differentiation by

phosphorylating APP. Participates also in neurite growth in spiral

ganglion neurons.

Species/Host Rabbit

Reactivity Human, Mouse, Rat

Conjugation Unconjugated

Tested Applications IHC-P, WB

Immunogen KLH conjugated synthetic peptide derived from mouse JNK1/2/3

(public_immunogen_range: 160-210/384)

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

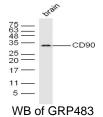
Clonality Polyclonal

Purity Purified by Protein A.

Uniprot ID Q61831

Entrez 264193000000000

Dilution Range WB: 1:300-1000, IHC-P: 1:200-400





IHC-P of GRP483