



JNK1/2/3 (phospho Thr183) rabbit pAb

Cat No.:ES1349

For research use only

Overview

Product Name	JNK1/2/3 (phospho Thr183) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat;Chicken
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human SAPK/JNK around the phosphorylation site of Thr183. AA range:151-200
Specificity	Phospho-JNK1/2/3 (T183) Polyclonal Antibody detects endogenous levels of JNK1/2/3 protein only when phosphorylated at T183.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Mitogen-activated protein kinase 8/9/10
Gene Name	MAPK8/9/10
Cellular localization	Cytoplasm . Nucleus . Cell junction, synapse . In the cortical neurons, predominantly cytoplasmic and associated with the Golgi apparatus and endosomal fraction. Increased neuronal activity increases phosphorylated form at synapses (By similarity). Colocalizes with POU5F1 in the nucleus. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	54kD
Human Gene ID	5599/5601/5602
Human Swiss-Prot Number	P45983/P45984/P53779





Alternative Names

MAPK8; JNK1; PRKM8; SAPK1; SAPK1C;
Mitogen-activated protein kinase 8; MAP kinase 8;
MAPK 8; JNK-46; Stress-activated protein kinase 1c;
SAPK1c; Stress-activated protein kinase JNK1; c-Jun
N-terminal kinase 1; MAPK9; JNK2; PRKM9; SAPK1A;
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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 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 spl

