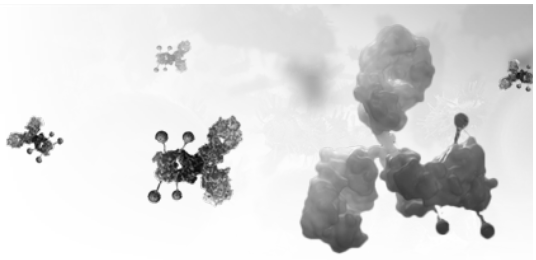

Anti-MAPK9 (aa 217-230) polyclonal antibody (DPAB-DC2468)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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 targets specific transcription factors, and thus mediates immediate-early gene expression in response to various cell stimuli. It is most closely related to MAPK8, both of which are involved in UV radiation induced apoptosis, thought to be related to the cytochrome c-mediated cell death pathway. This gene and MAPK8 are also known as c-Jun N-terminal kinases. This kinase blocks the ubiquitination of tumor suppressor p53, and thus it increases the stability of p53 in nonstressed cells. Studies of this genes mouse counterpart suggest a key role in T-cell differentiation. Several alternatively spliced transcript variants encoding distinct isoforms have been reported.
Specificity	This antibody is expected to recognize isoforms alpha1, alpha 2. and gamma (NP_620707.1; NP_002743.3; NP_001128516.1).
Immunogen	A synthetic peptide corresponding to amino acids 217-230 at internal region of human MAPK9. The sequence is ELVKGCVIFQGTDH
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	WB (Cell lysate), ELISA,
Format	Liquid

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Size	100 µg
Buffer	In 0.5 mg/mL Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)
Preservative	0.02% Sodium Azide
Storage	Store at -20°C.Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	MAPK9 mitogen-activated protein kinase 9 [Homo sapiens (human)]
Official Symbol	MAPK9
Synonyms	MAPK9; mitogen-activated protein kinase 9; JNK2; SAPK; p54a; JNK2A; JNK2B; PRKM9; JNK-55; SAPK1a; JNK2BETA; p54aSAPK; JNK2ALPHA; MAPK 9; Jun kinase; MAP kinase 9; c-Jun kinase 2; c-Jun N-terminal kinase 2; stress-activated protein kinase 1a; stress-activated protein kinase JNK2;
Entrez Gene ID	5601
Protein Refseq	NP_001128516
UniProt ID	P45984
Chromosome Location	5q35
Pathway	AGE/RAGE pathway; Activated TLR4 signalling; Adipocytokine signaling pathway; CD40/CD40L signaling
Function	ATP binding; JUN kinase activity; cysteine-type endopeptidase activator activity involved in apoptotic process; mitogen-activated protein kinase kinase kinase binding

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