



# Anti-MAPK9 (aa 1-16) polyclonal antibody (DPAB-DC2087)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	The protein encoded by this gene is a member of the MAP kinase family. MAP kinases are multifunctional proteins. They are involved in a wide variety of cellular processes such as growth, proliferation, differentiation, transcription regulation, and development. They function in stress responses, apoptosis, inflammation and transformation. For example, this kinase plays a dominant role in mediating proliferation of lung cancer and prostate cancer cells, and in regulation of osmotic stress-induced tight junction disruption. Several alternatively spliced transcript variants encoding distinct isoforms have been reported.
<b>Specificity</b>	This antibody detects a 55 KDa protein on rat brain tissue extract SDS-PAGE immunoblots, corresponding to the molecular weight of SAPKalpha. A 46 KDa protein is also seen in human tissue extracts. Due to alternative splicing of the 46 and 55 KDa transcrip
<b>Immunogen</b>	A synthetic peptide corresponding to amino acids 1-16 of rat Mapk9. The sequence is MSDSKSDGQFYSVQVA
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB,
<b>Format</b>	Liquid
<b>Size</b>	25 µl
<b>Buffer</b>	In antiserum

<b>Preservative</b>	None
<b>Storage</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Mapk9 mitogen-activated protein kinase 9 [ Rattus norvegicus (Norway rat) ]</a>
<b>Official Symbol</b>	MAPK9
<b>Synonyms</b>	MAPK9; mitogen-activated protein kinase 9; SAPK; MAPK 9; p54-alpha; SAPK-alpha; MAP kinase 9; c-Jun N-terminal kinase 2; stress-activated protein kinase JNK2; stress activated protein kinase alpha II;
<b>Entrez Gene ID</b>	<a href="#">50658</a>
<b>Protein Refseq</b>	<a href="#">NP_001257473</a>
<b>UniProt ID</b>	<a href="#">D4A5V8</a>
<b>Chromosome Location</b>	10q22
<b>Pathway</b>	Activated TLR4 signalling; Adipocytokine signaling pathway; Cellular Senescence; Chagas disease (American trypanosomiasis)
<b>Function</b>	ATP binding; JUN kinase activity; MAP kinase activity; cysteine-type endopeptidase activator activity involved in apoptotic process