Rabbit Anti-MAPK3 Polyclonal Antibody

CPB-778RH Rabbit(MAPK3)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-MAPK3 Polyclonal Antibody
Antigen Description	Involved in both the initiation and regulation of meiosis, mitosis, and postmitotic functions in differentiated cells by phosphorylating a number of transcription factors such as ELK-1.Phosphorylates EIF4EBP1; required for initiation of translation. Phosphorylates microtubule-associated protein 2 (MAP2). Phosphorylates SPZ1.
specificity	The antibody detects endogenous level of MAPK3 only when phosphorylated at tyrosine 204
Target	MAPK3
Immunogen	Peptide sequence around phosphorylation site of tyrosine 204 (T-E-Y(p)-V-A) derived from Human MAPK3.
Host	Rabbit
Species	Human
Cross Reactivity	Human, Mouse, Rat
conjugation	N/A
Applications	IFA,WB,IHC

PACKAGING

Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

ANTIGEN GENE INFORMATION

Gene Name	MAPK3 mitogen-activated protein kinase 3 [Homo sapiens]
Official Symbol	MAPK3
Synonyms	MAPK3; mitogen-activated protein kinase 3; PRKM3; ERK1; p44erk1; p44mapk; MAPK 1; MAP kinase 1; MAP kinase 3; MAP kinase isoform p44; insulin-stimulated MAP2 kinase; mitogen-activated protein kinase 1; extracellular signal-related kinase 1; extracellular signal-regulated kinase 1; microtubule-associated protein 2 kinase; ERT2; ERK-1; P44ERK1; P44MAPK; HS44KDAP; HUMKER1A; p44-ERK1; p44-MAPK; MGC20180;
GeneID	5595
mRNA Refseq	NM_001040056
Protein Refseq	NP_001035145
MIM	601795
UniProt ID	P27361
Chromosome Location	16p11.2

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Pathway	ALK1 signaling events, organism-specific biosystem; ARMS-mediated activation, organism-specific biosystem; ATF-2 transcription factor network, organism-specific biosystem; Activated TLR4 signalling, organism-specific biosystem; Activation of the AP-1 family of transcription factors, organism-specific biosystem; Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem;
Function	ATP binding; MAP kinase activity; MAP kinase activity; nucleotide binding; phosphatase binding; phosphotyrosine binding; protein binding; protein serine/threonine kinase activity;

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