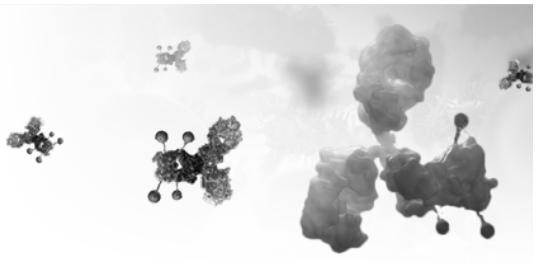

Rat MAPK3 blocking peptide (CDBP1151)

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

PRODUCT INFORMATION

Product Overview	ERK1 peptide (rat)
Antigen Description	The protein encoded by this gene is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to a variety of extracellular signals. This kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Alternatively spliced transcript variants encoding different protein isoforms have been described. [provided by RefSeq, Jul 2008]
Species	Rat
Conjugate	Unconjugated
Applications	BL
Format	Liquid
Concentration	0.2 mg/ml
Size	100 µg
Buffer	PBS with 100ug BSA 0.1% sodium azide
Preservative	0.1% Sodium Azide
Storage	Keep as concentrated solution, aliquot and store at 4°C.

GENE INFORMATION

Gene Name	MAPK3 mitogen-activated protein kinase 3 [Homo sapiens (human)]

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Official Symbol	MAPK3
Synonyms	MAPK3; mitogen-activated protein kinase 3; ERK1; ERT2; ERK-1; PRKM3; P44ERK1; P44MAPK; HS44KDAP; HUMKER1A; p44-ERK1; p44-MAPK; MAPK 1; MAP kinase isoform p44; insulin-stimulated MAP2 kinase; extracellular signal-related kinase 1; extracellular signal-regulated kinase 1; microtubule-associated protein 2 kinase;
Entrez Gene ID	5595
mRNA Refseq	NM_001040056.2
Protein Refseq	NP_001035145.1
UniProt ID	P27361
Chromosome Location	16p11.2
Pathway	AGE/RAGE pathway, organism-specific biosystem; 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; Adherens junction, organism-specific biosy
Function	ATP binding; MAP kinase activity; MAP kinase activity; MAP kinase activity; phosphatase binding; phosphotyrosine binding; protein binding;

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