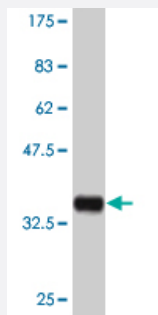


# MAPKAPK3 monoclonal antibody (M04), clone 1C3

Catalog # H00007867-M04

Size 100 ug

## Applications



Western Blot detection against Immunogen (36.45 KDa) .

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a full length recombinant MAPKAPK3.
<b>Immunogen</b>	MAPKAPK3 (NP_004626, 59 a.a. ~ 153 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	LECFHRRTGQKCALKLLYDSPKARQEVDDHHWQASGGPHVCILDVYENMHHGKRCLLIIMECMEG GELFSRIQERGDQAFTEREAAEIMRDIGTA
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (96); Rat (96)
<b>Isotype</b>	IgG2a Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.45 KDa) .
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — MAPKAPK3

Entrez GeneID [7867](#)

GeneBank Accession# [NM\\_004635](#)

Protein Accession# [NP\\_004626](#)

Gene Name MAPKAPK3

Gene Alias 3PK, MAPKAP3

Gene Description mitogen-activated protein kinase-activated protein kinase 3

Omim ID [602130](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

This gene encodes a member of the Ser/Thr protein kinase family. This kinase functions as a mitogen-activated protein kinase (MAP kinase)- activated protein kinase. MAP kinases are also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This kinase was shown to be activated by growth inducers and stress stimulation of cells. In vitro studies demonstrated that ERK, p38 MAP kinase and Jun N-terminal kinase were all able to phosphorylate and activate this kinase, which suggested the role of this kinase as an integrative element of signaling in both mitogen and stress responses. This kinase was reported to interact with, phosphorylate and repress the activity of E47, which is a basic helix-loop-helix transcription factor known to be involved in the regulation of tissue-specific gene expression and cell differentiation. [provided by RefSeq]

Other Designations MAPKAP kinase 3

## Pathway

- [MAPK signaling pathway](#)

- [VEGF signaling pathway](#)

## Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [Schizophrenia](#)