

DNAxPAb

Hard-to-Find
Antibody

MAP2K3 DNAxPab

Catalog # H00005606-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human MAP2K3 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MESPASSQPASMPQSKGKSKRKKDLRISCMSPAPNPTPPRNLDSTFTITIGDRNFEVEADDL VTISELGRGAYGVVEKVRHAQSGTIMAVKRIRATVNSQEQKRLMDLDINMRTVDCFYTVTFYGALF REGDVWICMELMDTSLDKFYRKVLDKNMTIPEDILGEIAVSIVRALEHLHSLSVIHRDVKPSNVLIN KEGHVKMCDFGISGYLVDVAKTMDAGCKPYMAPERINPELNQKGYNVKSDVWSLGITMIEMAIL RFPYESWGTPFQQLKQVVEEPPSPQLPADRFSPFVDFTAQCLRKNPAPERMSYLELMEHPFFTLH KTKKTDIAAFVKEILGEDS
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — MAP2K3

Entrez GeneID [5606](#)

GeneBank Accession# [NM_145109.1](#)

Protein Accession# [NP_659731.1](#)

Gene Name MAP2K3

Gene Alias MAPKK3, MEK3, MKK3, PRKMK3

Gene Description mitogen-activated protein kinase kinase 3

Omim ID [602315](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase family. This kinase is activated by mitogenic and environmental stress, and participates in the MAP kinase-mediated signaling cascade. It phosphorylates and thus activates MAPK14/p38-MAPK. This kinase can be activated by insulin, and is necessary for the expression of glucose transporter. Expression of RAS oncogene is found to result in the accumulation of the active form of this kinase, which thus leads to the constitutive activation of MAPK14, and confers oncogenic transformation of primary cells. The inhibition of this kinase is involved in the pathogenesis of Yersinia pseudotuberculosis. Multiple alternatively spliced transcript variants that encode distinct isoforms have been reported for this gene. [provided by RefSeq]

Other Designations MAP kinase kinase 3|MAPK/ERK kinase 3|OTTHUMP00000166044|dual specificity mitogen activated protein kinase kinase 3

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [Fc epsilon RI signaling pathway](#)
- [GnRH signaling pathway](#)
- [MAPK signaling pathway](#)
- [Toll-like receptor signaling pathway](#)