

Mouse Map3k12 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP14956b**Specification**

Mouse Map3k12 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q60700](#)**Mouse Map3k12 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 26404**Other Names**

Mitogen-activated protein kinase kinase kinase 12, Dual leucine zipper bearing kinase, DLK, Leucine-zipper protein kinase, ZPK, MAPK-upstream kinase, MUK, Mixed lineage kinase, Map3k12, Zpk

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Mouse Map3k12 Antibody (C-term) Blocking Peptide - Protein Information**Name** Map3k12**Synonyms** Zpk**Function**

Protein kinase which is part of a non-canonical MAPK signaling pathway (PubMed:7983011, PubMed:8663324, PubMed:28111074). Activated by APOE, enhances the AP-1-mediated transcription of APP, via a MAP kinase signal transduction pathway composed of MAP2K7 and MAPK1/ERK2 and MAPK3/ERK1 (PubMed:28111074). May be an activator of the JNK/SAPK pathway.

Cellular Location

Cytoplasm. Cell membrane. Note=Behaves essentially as an integral membrane protein.

Tissue Location

Within the nervous system, predominantly expressed in neurons and enriched in synaptic

terminals (PubMed:8663324) Expressed in brain, kidney, lung, heart, testis, gastrointestinal tract, stomach, liver and pancreas (PubMed:8769565, PubMed:7983011)

Mouse Map3k12 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

Mouse Map3k12 Antibody (C-term) Blocking Peptide - Images

Mouse Map3k12 Antibody (C-term) Blocking Peptide - Background

Map3k12 may be an activator of the JNK/SAPK pathway. Phosphorylates beta-casein, histone 1 and myelin basic protein in vitro.

Mouse Map3k12 Antibody (C-term) Blocking Peptide - References

Hirose, Y., et al. Exp. Cell Res. 315(15):2648-2657(2009)Saiga, T., et al. Mol. Cell. Biol. 29(13):3529-3543(2009)Itoh, A., et al. Biochem. Biophys. Res. Commun. 383(2):258-262(2009)Daviau, A., et al. Cell. Signal. 21(4):577-587(2009)Couture, J.P., et al. PLoS ONE 4 (3), E4743 (2009) :