

DLK Antibody (C-term D842) Blocking Peptide
Synthetic peptide
Catalog # BP19279b**Specification**

DLK Antibody (C-term D842) Blocking Peptide - Product InformationPrimary Accession [Q12852](#)**DLK Antibody (C-term D842) Blocking Peptide - Additional Information****Gene ID** 7786**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.

DLK Antibody (C-term D842) Blocking Peptide - Protein Information**Name** MAP3K12**Synonyms** ZPK**Function**

Part of a non-canonical MAPK signaling pathway (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 {ECO:0000250|UniProtKB:Q60700}. Cell membrane {ECO:0000250|UniProtKB:Q60700}. Note=Behaves essentially as an integral membrane protein. {ECO:0000250|UniProtKB:Q60700}

Tissue Location

Highly expressed in brain and kidney.

DLK Antibody (C-term D842) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

DLK Antibody (C-term D842) Blocking Peptide - Images**DLK Antibody (C-term D842) Blocking Peptide - Background**

This gene encodes a member of the serine/threonine protein kinase family. This kinase contains a leucine-zipper domain and is predominately expressed in neuronal cells. The phosphorylation state of this kinase in synaptic terminals was shown to be regulated by membrane depolarization via calcineurin. This kinase forms heterodimers with leucine zipper containing transcription factors, such as cAMP responsive element binding protein (CREB) and MYC, and thus may play a regulatory role in PKA or retinoic acid induced neuronal differentiation. Alternatively spliced transcript variants encoding different proteins have been described. [provided by RefSeq].

DLK Antibody (C-term D842) Blocking Peptide - References

Clague, J., et al. Mol. Carcinog. 49(2):183-189(2010) Robitaille, H., et al. J. Invest. Dermatol. 130(1):74-85(2010) Landa, I., et al. PLoS Genet. 5 (9), E1000637 (2009) :Daviau, A., et al. Cell. Signal. 21(4):577-587(2009) Mukhopadhyay, R., et al. Mol. Cell 32(3):371-382(2008)