

MLK4 alpha/beta Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP8002a

Specification

MLK4 alpha/beta Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [Q5TCX8](#)
Other Accession [NP_115811](#)

MLK4 alpha/beta Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 84451

Other Names

Mitogen-activated protein kinase kinase kinase MLK4, Mixed lineage kinase 4, MLK4 {ECO:0000303|Ref1}

Target/Specificity

The synthetic peptide sequence is selected from aa 1~16 of human MLK4.

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.

MLK4 alpha/beta Antibody (N-term) Blocking Peptide - Protein Information

Name MAP3K21 ([HGNC:29798](#))

Function

Negative regulator of TLR4 signaling. Does not activate JNK1/MAPK8 pathway, p38/MAPK14, nor ERK2/MAPK1 pathways.

MLK4 alpha/beta Antibody (N-term) Blocking Peptide - Background

Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the gamma phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains.

MLK4 alpha/beta Antibody (N-term) Blocking Peptide - References

Blume-Jensen P, et al. Nature 2001. 411: 355. Cantrell D, J. Cell Sci. 2001. 114: 1439. Jhian S Oncogene 2000. 19: 5590. Manning G, et al. Science 2002. 298: 1912. Moller, D, et al. Am. J. Physiol. 1994. 266: C351-C359. Robertson, S. et al. Trends Genet. 2000. 16: 368. Robinson D, et al. Oncogene 2000. 19: 5548. Van der Ven, P, et al. Hum. Molec. Genet. 1993. 2: 1889. Vanhaesebroeck, B, et al. Biochem. J. 2000. 346: 561. Van Weering D, et al. Recent Results Cancer Res. 1998. 154: 271.

**MLK4 alpha/beta Antibody (N-term)
Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)