

MAP4K1 Antibody (S368) Blocking Peptide
Synthetic peptide
Catalog # BP7973d**Specification**

MAP4K1 Antibody (S368) Blocking Peptide - Product InformationPrimary Accession [Q92918](#)**MAP4K1 Antibody (S368) Blocking Peptide - Additional Information****Gene ID** 11184**Other Names**

Mitogen-activated protein kinase kinase kinase 1, Hematopoietic progenitor kinase, MAPK/ERK kinase kinase 1, MEK kinase kinase 1, MEKKK 1, MAP4K1, HPK1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7973d](/product/products/AP7973d) was selected from the S368 region of human MAP4K1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

MAP4K1 Antibody (S368) Blocking Peptide - Protein Information**Name** MAP4K1**Synonyms** HPK1**Function**

Serine/threonine-protein kinase, which may play a role in the response to environmental stress (PubMed: [24362026](http://www.uniprot.org/citations/24362026)). Appears to act upstream of the JUN N-terminal pathway (PubMed: [8824585](http://www.uniprot.org/citations/8824585)). May play a role in hematopoietic lineage decisions and growth regulation (PubMed: [8824585](http://www.uniprot.org/citations/8824585), PubMed: [24362026](http://www.uniprot.org/citations/24362026)). Able to autophosphorylate (PubMed: [8824585](http://www.uniprot.org/citations/8824585)). Together with CLNK, it enhances CD3-triggered activation of

T-cells and subsequent IL2 production (By similarity).

Tissue Location

Expressed primarily in hematopoietic organs, including bone marrow, spleen and thymus. Also expressed at very low levels in lung, kidney, mammary glands and small intestine

MAP4K1 Antibody (S368) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MAP4K1 Antibody (S368) Blocking Peptide - Images**MAP4K1 Antibody (S368) Blocking Peptide - Background**

MAP4K1 or HPKI (hematopoietic progenitor kinase I) is one of these mammalian kinases that have significant sequence similarity to the *Saccharomyces Cerevisiae* serine/threonine kinase STE20, which relays signals from G protein coupled receptors to cytosolic MAP kinase cascades. MAP4K1 may play a role in the response to environmental stress. It appears to act upstream of the JUN N terminal pathway. It may play a role in hematopoietic lineage decisions and growth regulation.

MAP4K1 Antibody (S368) Blocking Peptide - References

Hu M.C.-T., Genes Dev. 10:2251-2264(1996).Beausoleil S.A., Proc. Natl. Acad. Sci. U.S.A. 101:12130-12135(2004).Wissing J., Mol. Cell. Proteomics 6:537-547(2007).