

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

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**MAP4K1 Antibody (S368) Blocking Peptide - Product Information**Primary 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).