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MAP4K1 / HPK1 Antibody (N-Terminus)

Goat Polyclonal Antibody
Catalog # ALS14553

Specification

MAP4K1 / HPK1 Antibody (N-Terminus) - Product Information

Application	**IHC**
Primary Accession	Q92918
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**91kDa KDa**

MAP4K1 / HPK1 Antibody (N-Terminus) - Additional Information

Gene ID 11184

Other Names
Mitogen-activated protein kinase kinase kinase kinase 1, 2.7.11.1, Hematopoietic progenitor kinase, MAPK/ERK kinase kinase kinase 1, MEK kinase kinase 1, MEKKK 1, MAP4K1, HPK1

Target/Specificity
Human MAP4K1. This antibody is expected to recognise isoform 1 (NP_001036065.1) and isoform 2 (NP_009112.1).

Reconstitution & Storage
Store at -20°C. Minimize freezing and thawing.

Precautions
MAP4K1 / HPK1 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

MAP4K1 / HPK1 Antibody (N-Terminus) - Protein Information

Name MAP4K1 (HGNC:6863)

Synonyms HPK1

Function
Serine/threonine-protein kinase, which plays a role in the response to environmental stress (PubMed:24362026). Appears to act upstream of the JUN N-terminal pathway (PubMed:8824585). Activator of the Hippo signaling pathway which plays a pivotal role in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. MAP4Ks act in parallel to and are partially redundant with STK3/MST2 and STK4/MST2 in the phosphorylation and activation of LATS1/2, and establish MAP4Ks as components of the expanded Hippo pathway (PubMed:26437443). May play a

role in hematopoietic lineage decisions and growth regulation (PubMed:24362026, PubMed:8824585). Together with CLNK, it enhances CD3-triggered activation of T-cells and subsequent IL2 production (By similarity).

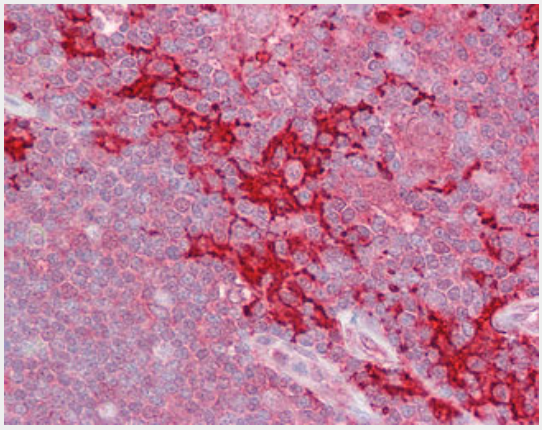
Tissue Location
Expressed primarily in hematopoietic organs, including bone marrow, spleen and thymus. Also expressed at very low levels in lung, kidney, mammary glands and small intestine

MAP4K1 / HPK1 Antibody (N-Terminus) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MAP4K1 / HPK1 Antibody (N-Terminus) - Images



Anti-MAP4K1 antibody IHC of human thymus.

MAP4K1 / HPK1 Antibody (N-Terminus) - Background

Serine/threonine-protein kinase, which may play a role in the response to environmental stress. Appears to act upstream of the JUN N-terminal pathway. May play a role in hematopoietic lineage decisions and growth regulation. Able to autophosphorylate.

MAP4K1 / HPK1 Antibody (N-Terminus) - References

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Grimwood J.,et al.Nature 428:529-535(2004).
Oppermann F.S.,et al.Mol. Cell. Proteomics 8:1751-1764(2009).
Mayya V.,et al.Sci. Signal. 2:RA46-RA46(2009).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).