

**HPK1 Polyclonal Antibody**  
**Catalog # AP70408****Specification****HPK1 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q92918</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal

**HPK1 Polyclonal Antibody - Additional Information****Gene ID** 11184**Other Names**

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

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**HPK1 Polyclonal Antibody - Protein Information****Name** MAP4K1 ([HGNC:6863](#))**Synonyms** HPK1**Function**

Serine/threonine-protein kinase, which plays a role in the response to environmental stress (PubMed:<a href="http://www.uniprot.org/citations/24362026" target="\_blank">24362026</a>). Appears to act upstream of the JUN N-terminal pathway (PubMed:<a href="http://www.uniprot.org/citations/8824585" target="\_blank">8824585</a>). 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:<a href="http://www.uniprot.org/citations/26437443" target="\_blank">26437443</a>). May play a role in hematopoietic lineage decisions and growth regulation (PubMed:<a href="http://www.uniprot.org/citations/24362026" target="\_blank">24362026</a>, PubMed:<a href="http://www.uniprot.org/citations/8824585" target="\_blank">8824585</a>). Together with CLNK, it enhances CD3-triggered activation of T-cells and subsequent IL2 production (By

similarity).

#### **Tissue Location**

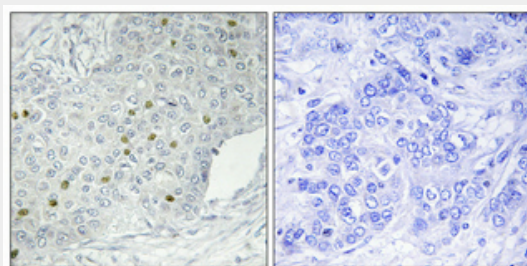
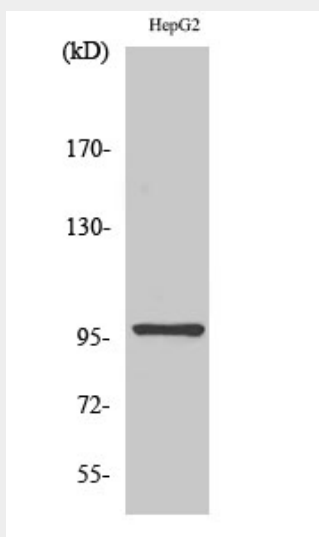
Expressed primarily in hematopoietic organs, including bone marrow, spleen and thymus. Also expressed at very low levels in lung, kidney, mammary glands and small intestine

#### **HPK1 Polyclonal Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **HPK1 Polyclonal Antibody - Images**



#### **HPK1 Polyclonal Antibody - 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.