

**HGK Polyclonal Antibody**  
Catalog # AP70313**Specification****HGK Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O95819</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal

**HGK Polyclonal Antibody - Additional Information****Gene ID** 9448**Other Names**

MAP4K4; HGK; KIAA0687; NIK; Mitogen-activated protein kinase kinase kinase 4; HPK/GCK-like kinase HGK; MAPK/ERK kinase kinase 4; MEK kinase kinase 4; MEKKK 4; Nck-interacting kinase

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. 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

**HGK Polyclonal Antibody - Protein Information****Name** MAP4K4 ([HGNC:6866](#))**Synonyms** HGK, KIAA0687, NIK**Function**

Serine/threonine kinase that plays a role in the response to environmental stress and cytokines such as TNF-alpha. Appears to act upstream of the JUN N-terminal pathway (PubMed:<a href="http://www.uniprot.org/citations/9890973" target="\_blank">9890973</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>). Phosphorylates SMAD1 on Thr- 322 (PubMed:<a href="http://www.uniprot.org/citations/21690388" target="\_blank">21690388</a>).

### Cellular Location

Cytoplasm.

### Tissue Location

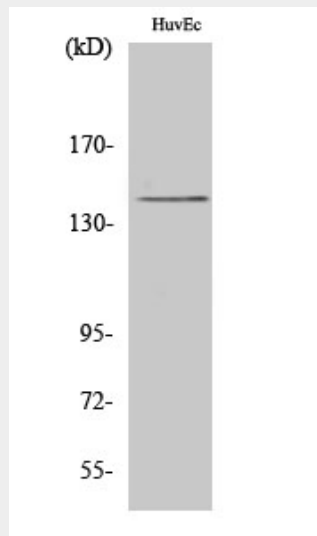
Widely expressed. Isoform 5 is abundant in the brain. Isoform 4 is predominant in the liver, skeletal muscle and placenta.

### HGK 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](#)

### HGK Polyclonal Antibody - Images



### HGK Polyclonal Antibody - Background

Serine/threonine kinase that may play a role in the response to environmental stress and cytokines such as TNF-alpha. Appears to act upstream of the JUN N-terminal pathway. Phosphorylates SMAD1 on Thr-322.