

**HIPK1 Polyclonal Antibody**  
**Catalog # AP63896****Specification**

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**HIPK1 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q86Z02</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**HIPK1 Polyclonal Antibody - Additional Information****Gene ID** 204851**Other Names**

Homeodomain-interacting protein kinase 1, 2.7.11.1, Nuclear body-associated kinase 2, HIPK1, KIAA0630, MYAK, NBAK2

**Dilution**

WB~~WB 1:500-2000 ELISA 1:5000-20000

**Format**

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

**Storage Conditions**

-20°C

**HIPK1 Polyclonal Antibody - Protein Information****Name** HIPK1**Synonyms** KIAA0630, MYAK, NBAK2**Function**

Serine/threonine-protein kinase involved in transcription regulation and TNF-mediated cellular apoptosis. Plays a role as a corepressor for homeodomain transcription factors. Phosphorylates DAXX and MYB. Phosphorylates DAXX in response to stress, and mediates its translocation from the nucleus to the cytoplasm. Inactivates MYB transcription factor activity by phosphorylation. Prevents MAP3K5-JNK activation in the absence of TNF. TNF triggers its translocation to the cytoplasm in response to stress stimuli, thus activating nuclear MAP3K5-JNK by derepression and promoting apoptosis. May be involved in anti-oxidative stress responses. Involved in the regulation of eye size, lens formation and retinal lamination during late embryogenesis. Promotes angiogenesis and to be involved in erythroid differentiation. May be involved in malignant squamous cell tumor formation. Phosphorylates PAGE4 at 'Thr-51' which is critical for the ability of PAGE4 to potentiate the transcriptional activator activity of JUN (PubMed:<a href="http://www.uniprot.org/citations/24559171" target="\_blank">24559171</a>).

### Cellular Location

Nucleus. Cytoplasm. Nucleus speckle. Note=Predominantly nuclear Translocates from nucleus to cytoplasm in response to stress stimuli via SENP1-mediated desumoylation.

### Tissue Location

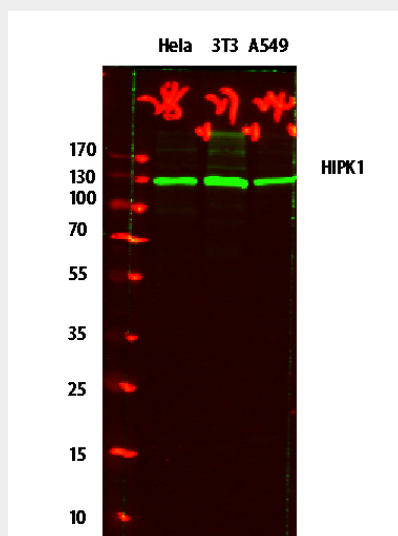
Ubiquitously expressed with highest levels in skeletal muscle and heart. Overexpressed in breast cancer cell lines Isoform 2 is highly expressed in testis. Expressed in both androgen- dependent and androgen-independent prostate cancer cells (PubMed:28289210).

## HIPK1 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](#)

## HIPK1 Polyclonal Antibody - Images



Western blot analysis of various lysates, primary antibody was diluted at 1:1000, 4° over night, secondary antibody(cat# RS23920)was diluted at 1:10000, 37° 1hour.

## HIPK1 Polyclonal Antibody - Background

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