

**HIPK3 / FIST Antibody (aa850-900)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS11936****Specification**

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**HIPK3 / FIST Antibody (aa850-900) - Product Information**

Application	IHC
Primary Accession	<a href="#">O9H422</a>
Reactivity	Human, Mouse, Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	134kDa KDa

**HIPK3 / FIST Antibody (aa850-900) - Additional Information****Gene ID** 10114**Other Names**

Homeodomain-interacting protein kinase 3, 2.7.11.1, Androgen receptor-interacting nuclear protein kinase, ANPK, Fas-interacting serine/threonine-protein kinase, FIST, Homolog of protein kinase YAK1, HIPK3, DYRK6, FIST3, PKY

**Target/Specificity**

A portion of amino acids 850-900 of human HIPK3

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

**Precautions**

HIPK3 / FIST Antibody (aa850-900) is for research use only and not for use in diagnostic or therapeutic procedures.

**HIPK3 / FIST Antibody (aa850-900) - Protein Information****Name** HIPK3**Synonyms** DYRK6, FIST3, PKY**Function**

Serine/threonine-protein kinase involved in transcription regulation, apoptosis and steroidogenic gene expression. Phosphorylates JUN and RUNX2. Seems to negatively regulate apoptosis by promoting FADD phosphorylation. Enhances androgen receptor-mediated transcription. May act as a transcriptional corepressor for NK homeodomain transcription factors. The phosphorylation of NR5A1 activates SF1 leading to increased steroidogenic gene expression upon cAMP signaling pathway stimulation. In osteoblasts, supports transcription activation: phosphorylates RUNX2 that synergizes with SPEN/MINT to enhance FGFR2- mediated activation of the osteocalcin FGF-responsive element (OCFRE).

**Cellular Location**

Cytoplasm. Nucleus

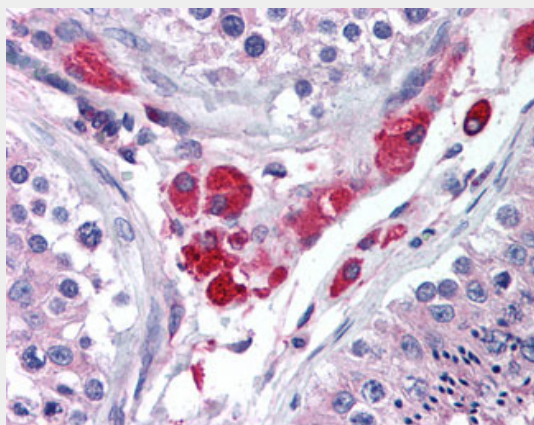
**Tissue Location**

Overexpressed in multidrug resistant cells. Highly expressed in heart and skeletal muscle, and at lower levels in placenta, pancreas, brain, spleen, prostate, thymus, testis, small intestine, colon and leukocytes. Not found in liver and lung

**HIPK3 / FIST Antibody (aa850-900) - 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](#)

**HIPK3 / FIST Antibody (aa850-900) - Images**

Anti-HIPK3 antibody IHC of human testis.

**HIPK3 / FIST Antibody (aa850-900) - Background**

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**HIPK3 / FIST Antibody (aa850-900) - References**

Begley D.A., et al. Gene 200:35-43(1997).  
Rochat-Steiner V., et al. J. Exp. Med. 192:1165-1174(2000).  
Taylor T.D., et al. Nature 440:497-500(2006).

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Moilanen A.-M.,et al.Mol. Biol. Cell 9:2527-2543(1998).