

## HIPK3 Antibody

Catalog No: #46575

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

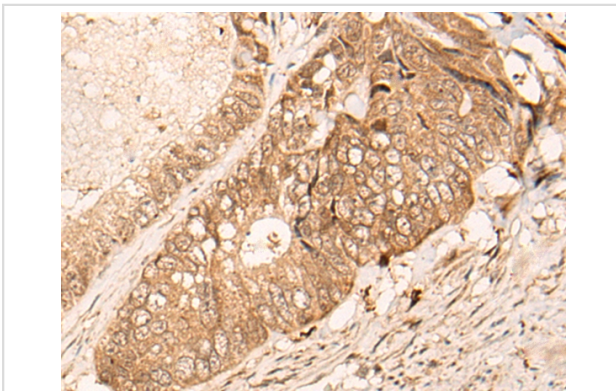
## Description

Product Name	HIPK3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total HIPK3 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide corresponding to internal residues of human HIPK3
Target Name	HIPK3
Other Names	PKY; YAK1; DYRK6; FIST3
Accession No.	Swiss-Prot:Q9H422NCBI Gene ID:10114NCBI Protein:NP_001041665
Uniprot	Q9H422
GeneID	10114;
Concentration	1.5mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C

## Application Details

Immunohistochemistry: 1: 50-300

## Images



The image on the left is immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using 46575(HIPK3 Antibody) at dilution 1/60, on the right is treated with synthetic peptide. (Original magnification: x200)

## Background

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).

---

Note: This product is for in vitro research use only