Datasheet for ABIN391779

anti-HIPK3 antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	HIPK3
Binding Specificity:	AA 1127-1156, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIPK3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This HIPK3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1127-1156 amino acids from the C-terminal region of human HIPK3.
Clone:	RB3241
Isotype:	Ig Fraction
Predicted Reactivity:	M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	HIPK3
Alternative Name:	HIPK3 (HIPK3 Products)

Target Details

Background:	HIPK3 negatively regulates apoptosis by promoting FADD phosphorylation. This kinase enhances androgen receptor-mediated transcription, and may act as a transcriptional corepressor for NK homeodomain transcription factors.
Molecular Weight:	133743
Gene ID:	10114
NCBI Accession:	NP_001041665, NP_001265091, NP_001265092, NP_005725
UniProt:	Q9H422

Application Details

Application Notes:	WB: 1:2000. WB: 1:1000. IHC-P: 1:25
Restrictions:	For Research Use only

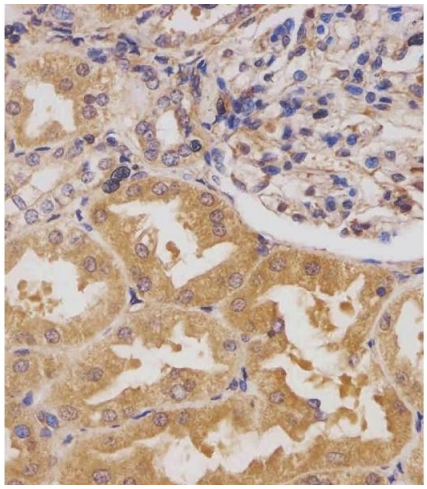
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

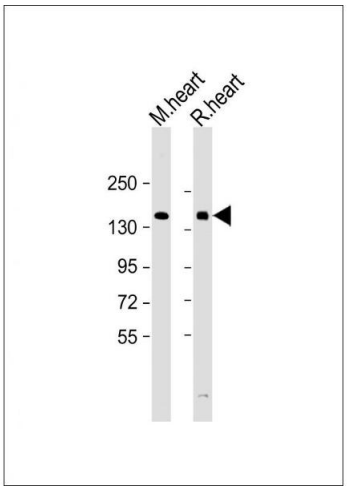
Product cited in:	Lin, Liu, Sun, Yuan, Zhang, Chen: "Establishment and characterization of a tamoxifen-mediated reversible immortalized mouse dental papilla cell line." in: **In vitro cellular & developmental biology. Animal**, Vol. 49, Issue 2, pp. 114-21, (2013) (PubMed). Kaushik, Arias, Kwon, Lopez, Athonvarangkul, Sahu, Schwartz, Pessin, Singh: "Loss of autophagy in hypothalamic POMC neurons impairs lipolysis." in: **EMBO reports**, Vol. 13, Issue 3, pp. 258-65, (2012) (PubMed).

Images



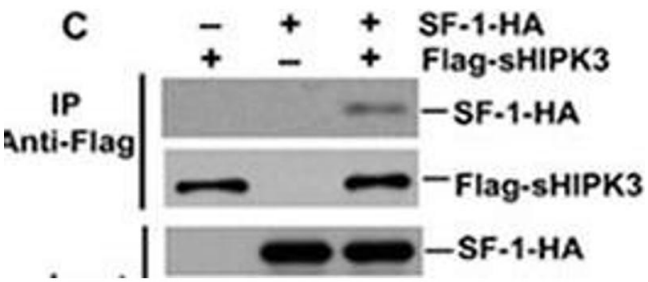
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. (ABIN391779 and ABIN2841638) staining HIPK3 in human kidney tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3 % BSA for 0. 5 hour at room temperature, antigen retrieval was by heat mediation with a citrate buffer (pH 6). Samples were incubated with primary antibody (1/25) for 1 hours at 37 °C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



Western Blotting

Image 2. All lanes : Anti-HIPK3 Antibody (C-term) at 1:2000 dilution Lane 1: mouse heart lysate Lane 2: rat heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 134 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 3. Detection of interaction between HIPK3 and SF-1 by coimmunoprecipitation. After expression of SF-1-HA and Flag-sHIPK3 (aa 159 to 1191) in cells, the HIPK3 protein complex was immunoprecipitated with anti-Flag antibody or by direct loading to the gel (input). Western blotting was then performed to detect SF-1-HA and Flag-sHIPK3.