Datasheet for ABIN5066839

anti-FNIP1 antibody

4 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	FNIP1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FNIP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Synthetic peptide from the mid-protein of Human FNIP1
Isotype:	IgG
Specificity:	Strong expression is found in the heart, liver placenta, muscle, nasal mucosa, salivary gland and uvula and moderate expression in kidney and lung. Higher levels detected in clear cell renal cell carcinoma (RCC) and chromophobe RCC than in normal kidney tissue.,Detects ~130 kDa.
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Peptide Affinity Purified

Target Details

Target:	FNIP1
Alternative Name:	FNIP1 (FNIP1 Products)

Target Details

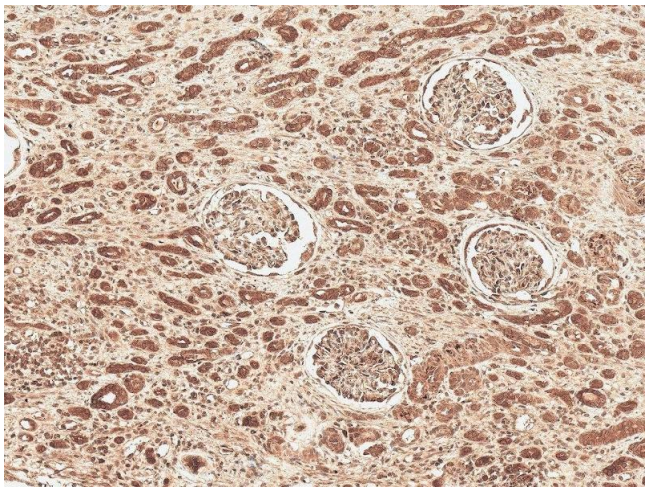
Background:	Folliculin-interacting protein 1 (FNIP1) is a co-chaperone of HSP90 (1). It Inhibits the ATPase activity of HSP90AA1 leading to reduction in its chaperone activity. It may be involved in energy and/or nutrient sensing through the AMPK and mTOR signaling pathways and may regulate the phosphorylation of RPS6KB1 (2). FNIP1 is strongly expressed in the heart, liver placenta, muscle, nasal mucosa, salivary gland, and uvula. Elevated levels of FNIP1 have been detected in renal cell carcinoma (RCC) (3).
Gene ID:	96459
NCBI Accession:	NP_001008738
UniProt:	Q8TF40

Application Details

Application Notes:	• WB (1:1000) • ICC/IF (1:100) • IHC (1:50) • optimal dilutions for assays should be determined by the user.
Comment:	A 1:1000 dilution of ABIN5066839 was sufficient for detection of FNIP1 in 15 µg of mouse kidney cell lysates by ECL immunoblot analysis using goat anti-rabbit IgG:HRP as the secondary antibody.
Restrictions:	For Research Use only

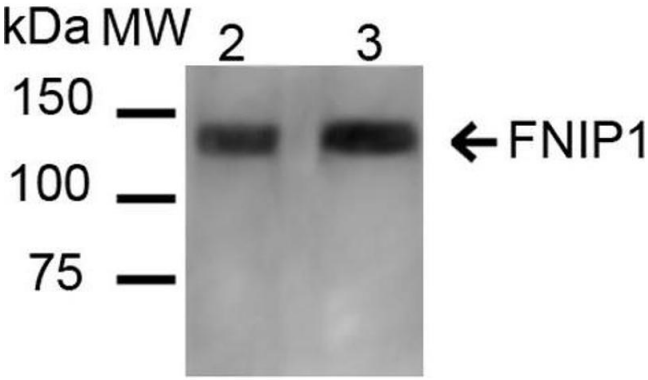
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated
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:	-20 °C
Storage Comment:	-20°C



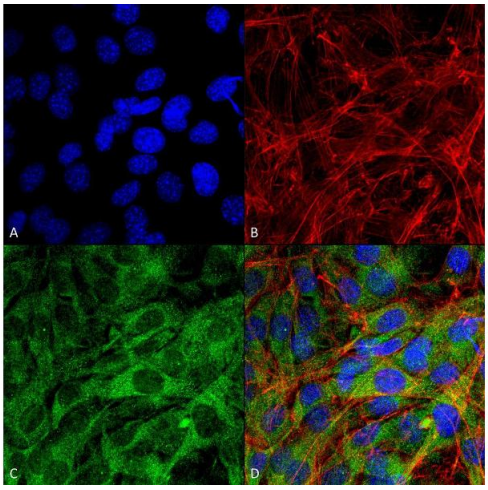
Immunohistochemistry

Image 1. Immunohistochemistry analysis using Rabbit Anti-FNP1 Polyclonal Antibody (ABIN5066839). Tissue: Renal Cell Carcinoma. Species: Human. Fixation: Formalin Fixed Paraffin-Embedded. Primary Antibody: Rabbit Anti-FNP1 Polyclonal Antibody (ABIN5066839) at 1:50 for 30 min at RT. Counterstain: Hematoxylin. Magnification: 10X. HRP-DAB Detection.



Western Blotting

Image 2. Western blot analysis of Mouse, Rat Kidney showing detection of ~131 kDa FNIP1 protein using Rabbit Anti-FNIP1 Polyclonal Antibody . Lane 1: Molecular Weight Ladder (MW). Lane 2: Mouse Kidney cell lysates. Lane 3: Rat Kidney cell lysates. Load: 20 µg. Block: 5% Skim Milk in 1X TBST. Primary Antibody: Rabbit Anti-FNIP1 Polyclonal Antibody at 1:1000 for 16 hours at 4°C. Secondary Antibody: Goat Anti-Rabbit IgG: HRP at 1:2000 for 60 min at RT. Color Development: ECL solution for 6 min at RT. Predicted/Observed Size: ~131 kDa.



Immunofluorescence (fixed cells)

Image 3. Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-FNIP1 Polyclonal Antibody . Tissue: C2C12 Cells (Mouse Myoblast cell line). Species: Mouse. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Rabbit Anti-FNIP1 Polyclonal Antibody at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Rabbit ATTO 488 at 1:200 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60 min at RT, 5 min at RT. Localization: Cytoplasm . Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) FNIP1 Antibody (D) Composite.

Images

Please check the product details page for more images. Overall 4 images are available for ABIN5066839.

