Datasheet for ABIN499853

anti-FNIP2 antibody (C-Term)

2 Images

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Overview

Quantity:	0.1 mg
Target:	FNIP2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FNIP2 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	FNIP2 antibody was raised against a 16 amino acid peptide near the carboxy terminus of human FNIP2.
Isotype:	IgG
Specificity:	This antibody reacts to FNIP2.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	FNIP2
Alternative Name:	FNIP2 (FNIP2 Products)
Background:	FNIP2 is the second protein found to interact with folliculin, the product of the Birt-Hogg-Dube

Target Details

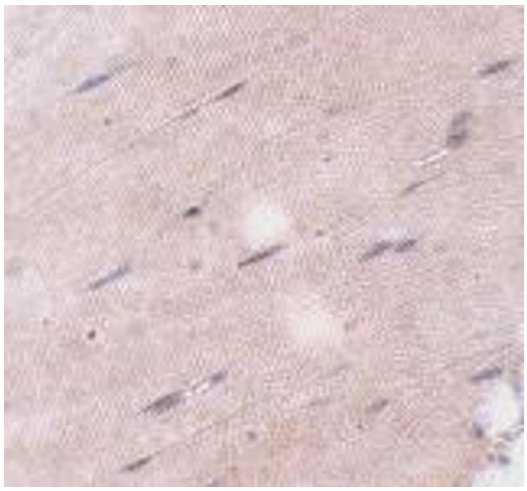
	(BHD) gene. Folliculin is thought to act as a tumor suppressor as mutations or loss of heterozygosity in this gene are associated with BHD syndrome-related renal tumors. Folliculin and FNIP1, a protein that shares 49 % identity to FNIP2, bind to AMPK, an important energy sensor in cells that negatively regulates the mammalian target of rapamycin (mTOR), a protein that is thought to be the master switch for cell growth and proliferation. FNIP1 and FNIP2 are able to form homo- and heteromeric multimers, suggesting these proteins may have a functional relationship. Multiple isoforms of FNIP2 are known to exist. This antibody is predicted to not cross-react with FNIP1.Synonyms: FNIP1-like protein, FNIPL, Folliculin-interacting protein 2, KIAA1450, MAPO1, O6-methylguanine-induced apoptosis 1 protein
Gene ID:	57600
NCBI Accession:	NP_065891
UniProt:	Q9P278

Application Details

Application Notes:	ELISA. Western Blot: 1 - 2 µg/mL. Immunohistochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

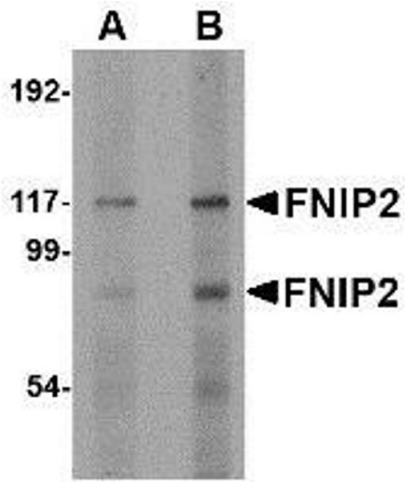
Handling

Buffer:	PBS containing 0.02 % 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
Storage Comment:	Store the antibody undiluted at 2-8 °C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of FNIP2 in mouse skeletal muscle tissue with FNIP2 antibody at 5 µg/ml.



Western Blotting

Image 2. Western blot analysis of FNIP2 in rat skeletal muscle lysate with AP30345PU-N FNIP2 antibody at (A) 1 and (B) 2 µg/ml.