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Datasheet for 600-401-BF8

FNIP2 Antibody

Overview

Description:	Anti-FNIP2 (RABBIT) Antibody - 600-401-BF8
Item No.:	600-401-BF8
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	FNIP2 is the second protein found to interact with folliculin, the product of the Birt-Hogg-Dube (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.
Synonyms:	FNIP2 Antibody, FNIPL, MAPO1, FNIPL, KIAA1450, Folliculin-interacting protein 2, FNIP1-like protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	FNIP2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-FNIP2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide near the C-terminus of human FNIP2.

Purity/Specificity:	Anti-FNIP2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Multiple isoforms of FNIP2 are known to exist. This antibody is predicted to not cross-react with FNIP1.
Relevant Links:	• UniProtKB - Q9P278 • GeneID - 57600 • NCBI - NP_065891

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-FNIP2 Antibody has been tested for use in ELISA, Western Blotting, and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 122 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000-1:20,000
IHC:	5 µg/mL
WB:	1-2 µg/mL

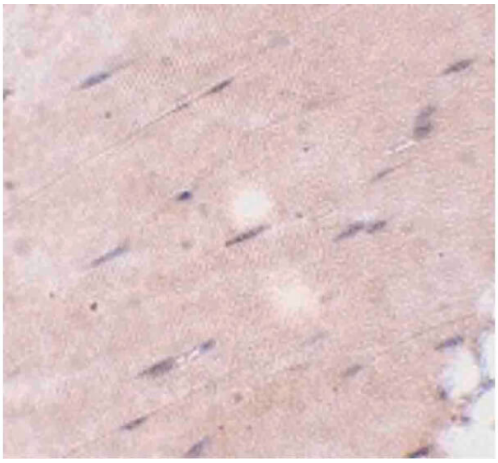
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

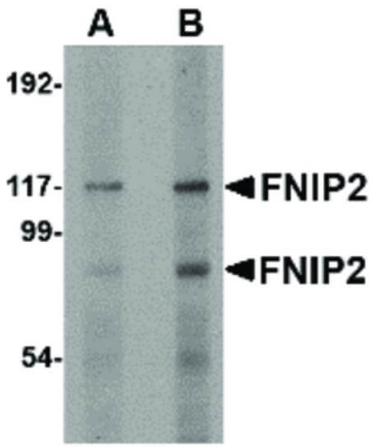
Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry
Immunohistochemistry of FNIP2 antibody. Tissue: mouse skeletal muscle tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: FNIP2 antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: FNIP2 is cytoplasmic. Staining: FNIP2 as precipitated red signal with hematoxylin purple nuclear counterstain.



Western Blot
Western Blot of FNIP2 antibody. Lane 1: Rat skeletal muscle lysate with FNIP2 anitbody at 1 µg/mL. Lane 2: Rat skeletal muscle lysate with FNIP2 anitbody at 2 µg/mL. Load: 35 µg per lane. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 122 kDa, 117 kDa for FNIP2. Other band(s): FNIP2 splice variants and isoforms.

Disclaimer

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