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Datasheet for 600-401-BF9

FNIP2 Antibody

Overview

Description:	Anti-FNIP2 (RABBIT) Antibody - 600-401-BF9
Item No.:	600-401-BF9
Size:	100 µg
Applications:	ELISA, 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 an 18 amino acid synthetic peptide near the N-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, WB
Application Note:	Anti-FNIP2 Antibody has been tested for use in ELISA and Western Blotting. 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
WB:	1-2 µg/mL

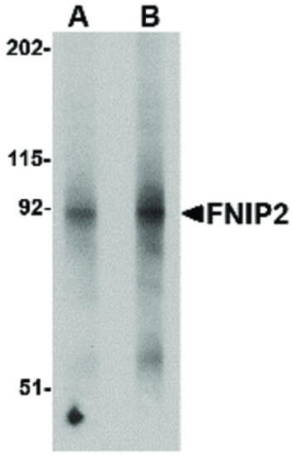
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 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



Western Blot
Western Blot of FNIP2 antibody. Lane 1: Mouse skeletal muscle lysate with FNIP2 antibody at 1 µg/mL. Lane 2: Mouse skeletal muscle lysate with FNIP2 antibody 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, 92 kDa for FNIP2. Other band(s): FNIP2 splice variants and isoforms.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.