Datasheet for 600-401-854

AJUBA Antibody

Overview

Description:	Anti-AJUBA (RABBIT) Antibody - 600-401-854
Item No.:	600-401-854
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Human AJUBA (also called JUB protein and ajuba homolog isoform 1) is a LIM domain protein suggested to bind and regulate the activity of Aurora A. Aurora A, which is involved in cell cycle regulation, is upregulated during mitosis, localizing to the centrosomes and microtubule regions proximal to the centrosomes.
Synonyms:	rabbit anti-Ajuba Antibody, Ajuba, JUB protein, ajuba homolog isoform 1, LIM domain-containing protein ajuba
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	AJUBA
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding aa 224-239 of Human Ajuba.

Purity/Specificity:	This affinity purified antibody is directed against human Ajuba. The product was affinity purified from antiserum by immunoaffinity purification. A BLAST analysis was used to suggest reactivity with this protein from human, rat, dog, mouse and chimpanzee based on 100% homology for the immunogen sequence. Cross reactivity with Ajuba protein homologues from other sources has not been determined.
Relevant Links:	• NCBI - 14249622 • UniProtKB - Q96IF1 • GeneID - 84962

Application Details

Tested Applications:	ELISA, WB
Application Note:	This affinity purified antibody has been tested for use in ELISA and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 57 kDa in size corresponding to AJUBA by western blotting in the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000 - 1:80,000
IP:	1:100
WB:	1:500 - 1:2,500

Formulation

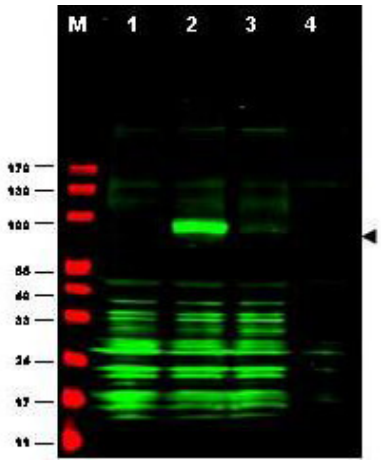
Physical State:	Liquid (sterile filtered)
Concentration:	1.67 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

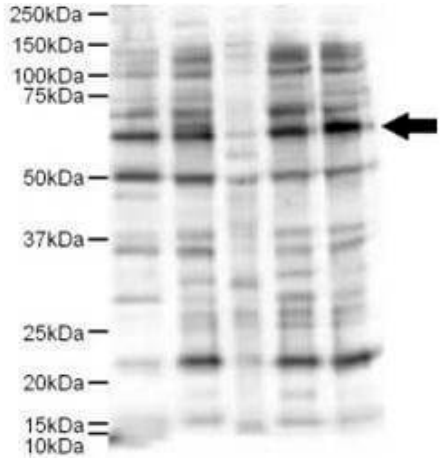
Shipping Condition:	Dry Ice

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 using Rockland's Affinity Purified anti-Ajuba antibody shows detection of Ajuba-RFP fusion protein in cell lysates (arrow-head). Lanes correspond to 1) vector only transfection, 2) human Ajuba-RFP, 3) mouse Ajuba-RFP, and 4) mock transfection. Approximately 50 µg of each lysate was loaded per lane for SDS-PAGE followed by transfer onto nitrocellulose and reaction with a 1:1,700 dilution of anti-Ajuba antibody. Detection occurred using a 1:10,000 dilution of IRDye™800 conjugated Gt-a-Rabbit IgG [H&L] (611-132-122) for 45 min at room temperature (800 nm channel, green). Molecular weight estimation was made by comparison to prestained MW markers (indicated at left, 700 nm channel, red). IRDye™800 fluorescence image was captured using the Odyssey® Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.



Western Blot
Western blot using Rockland's Affinity Purified anti-Ajuba antibody shows detection of a 57-kDa band consistent with the expected MW for Ajuba (arrowhead). Lanes correspond to 1) HeLa nuclear extract, and 2) HeLa, 3) A431, 4) Jurkat and 5) 293 whole cell lysates. Immunoprecipitation of Ajuba followed by western blotting may result in cleaner background staining. Approximately 5 µg of each preparation was run on a SDS-PAGE and transferred onto nitrocellulose followed by reaction with a 1:500 dilution of anti-Ajuba antibody. Detection occurred using a 1:5,000 dilution of HRP-labeled Donkey anti-Rabbit IgG for 1 hour at room temperature. A chemiluminescence system was used for signal detection (Roche) using a 60-sec exposure time. Personal Communication. E. Pugacheva, Fox Chase Cancer Center, Philadelphia, PA.

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.