

Datasheet for 600-401-X63**ACINUS Antibody****Overview**

Description:	Anti-ACINUS (RABBIT) Antibody - 600-401-X63
Item No.:	600-401-X63
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Chromatin condensation and nuclear fragmentation (CCNF) is the hallmark of apoptosis. CCNF is triggered by the activation of members of caspase family, caspase activated DNase (CAD/DFF40), and several novel proteins including AIF and CIDE. A new inducer of chromatin condensation was recently identified and designated Acinus (for apoptotic chromatin condensation inducer in the nucleus). Acinus is cleaved by caspase-3 and an additional unknown protease generating a small active peptide p17, which causes chromatin condensation in vitro when it is added to purified nuclei. Acinus also induces apoptotic chromatin condensation in cells. Acinus is ubiquitously expressed. Three different spliced forms of Acinus have been identified in human and mouse and designated AcinusL, AcinusS and AcinusS'.
Synonyms:	Acinus Antibody, ACN, ACINUS, fSAP152, KIAA0670, Apoptotic chromatin condensation inducer in the nucleus, Acinus
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ACIN1
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-Acinus antibody was prepared from whole rabbit serum produced by repeated immunizations with a 35 amino acid peptide near the internal region of human Acinus.
Purity/Specificity:	Anti-Acinus Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with Acinus from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9UKV3 • GeneID - 22985 • NCBI - AAD56724

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-Acinus Antibody has been tested for use in ELISA, Immunocytochemistry, Immunofluorescence and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at ~220 kDa in size corresponding to Acinus protein 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:	1:10,000
IF:	20 µg/mL
WB:	1 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

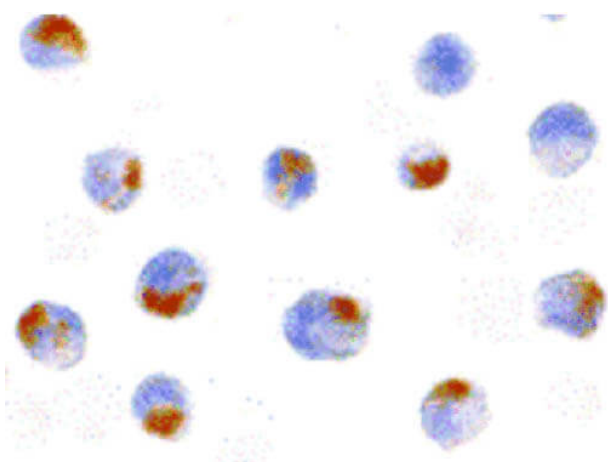
Shipping & Handling

Shipping Condition:	Dry Ice
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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.

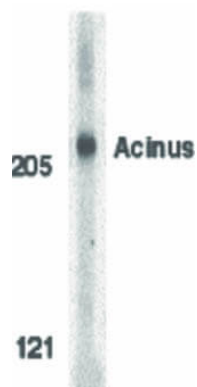
Images



Immunocytochemistry

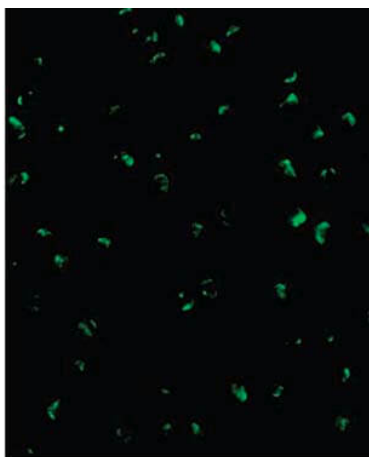
Immunocytochemistry of Acinus antibody. Cells: K562 cells.

Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Acinus 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: Acinus is nuclear. Staining: Acinus as precipitated brown signal with hematoxylin blue nuclear counterstain.



Western Blot

Western Blot of Acinus antibody. Lane 1: K562 whole cell lysate. Load: 35 µg per lane. Primary antibody: Acinus antibody at 1 µg/mL for overnight at 4°C. 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: 151.9 kDa, 210 kDa for Acinus.

**Immunofluorescence Microscopy**

Immunofluorescence Microscopy of Acinus antibody.

Tissue: K562 cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: Acinus antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT.

Localization: Acinus is nuclear. Staining: Acinus as green fluorescent signal.

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.