

Datasheet for 600-401-EX0**Survivin Antibody****Overview**

Description:	Anti-Survivin (RABBIT) Antibody - 600-401-EX0
Item No.:	600-401-EX0
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Apoptosis, or programmed cell death, is related to many diseases, such as cancer. Apoptosis is triggered by a variety of stimuli including members in the TNF family and prevented by the inhibitor of apoptosis (IAP) proteins. IAP proteins form a conserved gene family that binds to and inhibits cell death proteases. A novel IAP protein was recently identified and designated survivin, apoptosis inhibitor 4 (API4), and TIAP. Survivin/TIAP interacted with the processed form of caspase-3 and inhibited its proteolytic activity. Survivin/TIAP is predominantly expressed in tissues of embryos, transformed cell lines, and many human cancers and lymphomas.
Synonyms:	Survivin Antibody, API4, EPR-1, API4, IAP4, Baculoviral IAP repeat-containing protein 5, Apoptosis inhibitor 4
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	BIRC5
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-Survivin antibody was prepared from whole rabbit serum produced by repeated immunizations with a peptide corresponding to amino acids near the N-terminus of human survivin.

Purity/Specificity: Anti-Survivin Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with Survivin from other sources has not been determined.

Relevant Links:

- [UniProtKB - O15392](#)
- [GeneID - 332](#)
- [NCBI - NP_001012270.1](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-Survivin Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry, immunofluorescence, and immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 16 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

IF: 20 µg/mL

IHC: 5 µg/mL

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

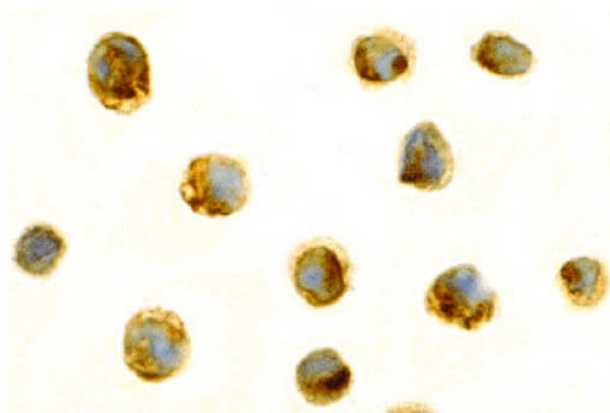
Shipping & Handling

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



Immunocytochemistry

Immunocytochemistry of Survivin antibody. Cells: Jurkat cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Survivin 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: Survivin is nuclear and cytoplasmic. Staining: Survivin as precipitated brown signal with hematoxylin blue nuclear counterstain.



Western Blot

Western Blot of Survivin antibody. Lane 1: MOLT4 cell lysate with Survivin at 1 µg/mL. Lane 2: MOLT4 cell lysate with Survivin 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: 16.4 kDa, 26 kDa for Survivin. Other band(s): Survivin 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.