

Datasheet for 600-401-H34**XIAP Antibody****Overview**

Description:	Anti-XIAP (RABBIT) Antibody - 600-401-H34
Item No.:	600-401-H34
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	XIAP detects human XIAP. 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 can be prevented by the inhibitor of apoptosis (IAP) proteins. IAP proteins form a conserved gene family that binds to and inhibits cell death proteases. The X-chromosome linked inhibitor of apoptosis (XIAP) contains 3 baculoviral IAP repeat (BIR) motifs that are essential and sufficient for the binding and inhibition of caspases-3, -7, and -9. Upregulation of XIAP expression can protect cells from apoptosis induced by low level radiation; conversely, decreased XIAP expression by antisense targeting resulted in increased cell death following low level radiation. Two negative regulators, termed XAF-1 and Smac, can bind and inhibit XIAP activity. Anti-XIAP antibodies are ideal for investigators involved in apoptosis and cancer research.
Synonyms:	API3, BIRC4, IAP3
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	XIAP
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide

Immunogen:	XIAP Antibody was produced from whole rabbit serum prepared by repeated immunizations with a synthetic peptide corresponding to amino acids at the C-terminus of human XIAP.
Purity/Specificity:	Anti-XIAP Antibody was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest cross-reactivity with XIAP with Human and Mouse based on 100% homology with the immunizing sequence. Cross-reactivity with XIAP from other sources has not been determined.
Relevant Links:	• NCBI - NP_001158 • UniProtKB - P98170 • GeneID - 331

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-XIAP Antibody is tested for use in E, WB, IF, and IHC. Expect a band approximately ~56.6 kDa on specific lysates. Western Blot tested in human samples; Immunohistochemistry and Immunofluorescence in human and mouse samples. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IF:	10µg/mL
IHC:	2µg/mL
WB:	0.5-2 ug/mL

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

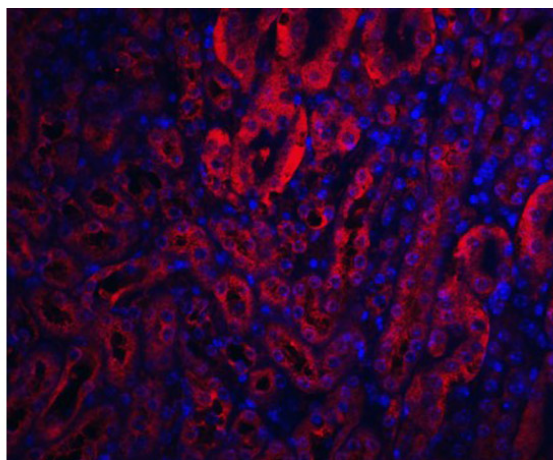
Shipping & Handling

Shipping Condition:	Wet Ice
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Storage Condition: Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

Expiration: Expiration date is one (1) year from date of receipt.

Images



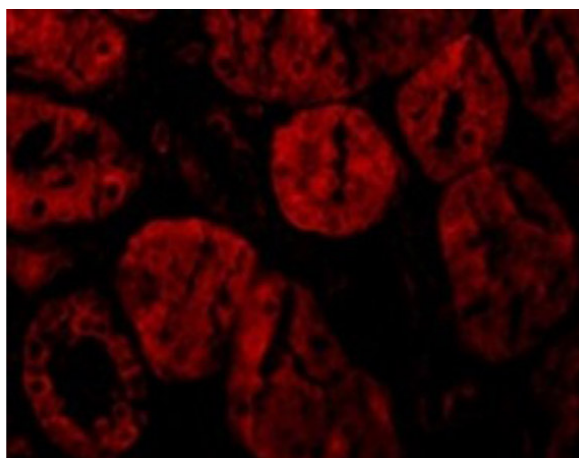
Immunofluorescence Microscopy

Immunofluorescence of XIAP.

Tissue: mouse kidney tissue.

Primary Antibody: Anti-XIAP antibody at 20 µg/mL.

Staining: XIAP Antibody (red), DAPI (blue).

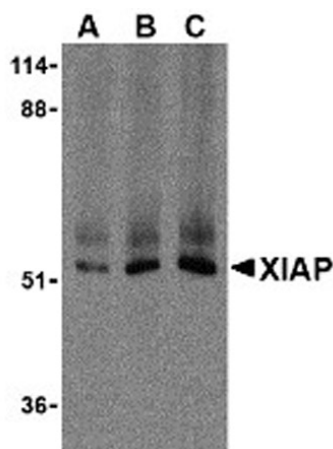


Immunofluorescence Microscopy

Immunofluorescence of XIAP.

Tissue: Human Kidney tissue.

Primary Antibody: Anti-XIAP antibody at 10 µg/mL.

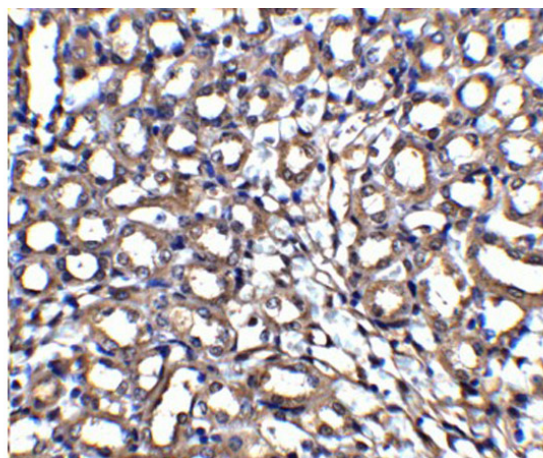


Western Blot

Western blot analysis of XIAP.

Load: human kidney lysate.

Primary Antibody: Anti-XIAP antibody at (A) 0.5 µg/mL, (B) 1 µg/mL, and (C) 2 µg/mL, respectively.

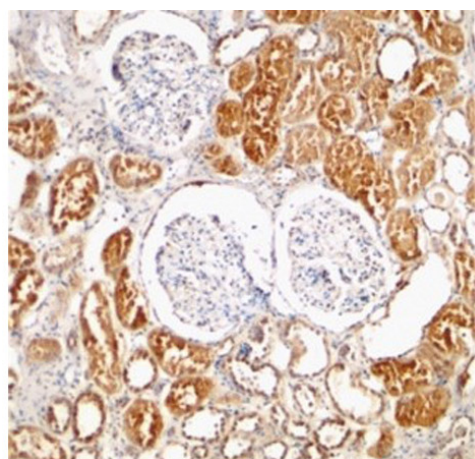


Immunohistochemistry

Immunohistochemistry of XIAP.

Tissue: mouse kidney tissue.

Primary Antibody: Anti-XIAP antibody at 5 µg/mL.



Immunohistochemistry

Immunohistochemistry of XIAP.

Tissue: human kidney tissue.

Primary Antibody: Anti-XIAP antibody at 2 µg/mL.

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.