

Datasheet for 600-401-BX9**ILP-2 Antibody****Overview**

Description:	Anti-ILP-2 (RABBIT) Antibody - 600-401-BX9
Item No.:	600-401-BX9
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
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 including IAP, XIAP/ILP-1/MIHA, and Livin/KIAP that bind to and inhibits specific proteases. A novel member in the IAP protein family was recently identified and designated ILP-2 for IAP-like protein-2. ILP-2 has high homology to ILP-1, but is encoded by a distinct gene that is solely expressed in testis of tested normal human tissues. ILP-2, unlike ILP-1, has no inhibitory effect on Fas and TNF induced apoptosis, but potently inhibits apoptosis induced by overexpression of Bax or by coexpression of caspase-9 with Apaf-1. ILP-2 interacts with the processed caspase-9. These results suggest that ILP-2 is a novel IAP family member with restricted specificity for caspase-9.
Synonyms:	ILP-2 Antibody, ILP2, ILP-2, hILP2, ILP2, Baculoviral IAP repeat-containing protein 8, Inhibitor of apoptosis-like protein 2, IAP-like protein 2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	BIRC8
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-ILP-2 antibody was raised with against a synthetic peptide corresponding to amino acids near the N-terminus of human ILP-2.
Purity/Specificity:	Anti-ILP-2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with ILP-2 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q96P09 • GeneID - 112401 • NCBI - NP_203127

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-ILP-2 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 27 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
IF:	20 µg/mL
WB:	1 µg/mL

Formulation

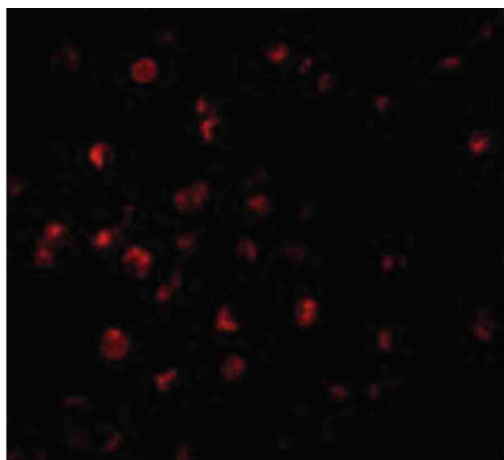
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

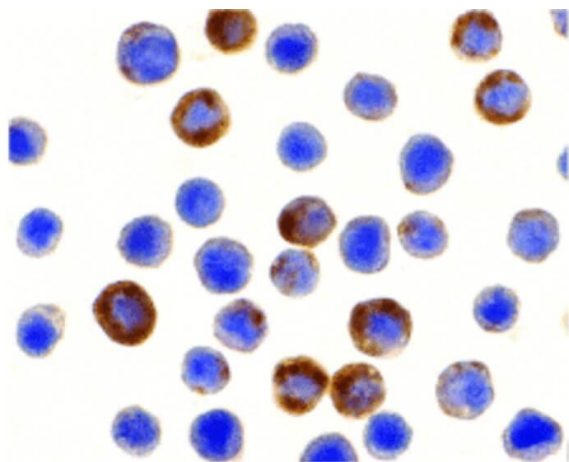
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration:

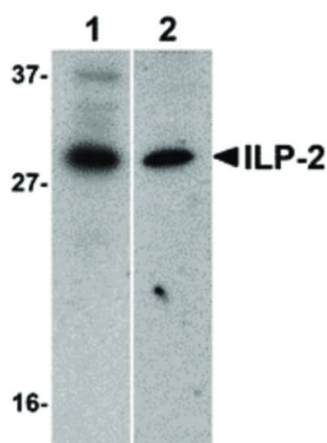
Expiration date is one (1) year from date of receipt.

Images**Immunofluorescence Microscopy**

Immunofluorescence Microscopy of ILP-2 antibody. Cell Type: HepG2 cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: ILP-2 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: ILP-2 is cytoplasmic. Staining: ILP-2 as red fluorescent signal.

**Immunohistochemistry**

Immunocytochemistry of ILP-2 antibody. Cell Type: HepG2 cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: ILP-2 antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: ILP-2 is cytoplasmic. Staining: ILP-2 as brown stain with hematoxylin purple nuclear counterstain.

**Western Blot**

Western Blot of ILP-2 antibody. Lane 1: human HepG2 cell lysates. Lane 2: MOLT4 cell lysates. Load: 35 µg per lane. Primary antibody: ILP-2 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: 27 kDa, 30 kDa for ILP-2. Other band(s): ILP-2 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.