

Datasheet for 200-301-H90**Livin Antibody****Overview**

Description:	Anti-Livin (MOUSE) Monoclonal Antibody - 200-301-H90
Item No.:	200-301-H90
Size:	100 µg
Applications:	IF, WB
Reactivity:	Human
Host Species:	Mouse

Product Details

Background:	Anti-Livin BIRC7 KIAP antibody detects human Livin BIRC7 KIAP. The inhibitor of apoptosis (IAP) family of proteins regulates programmed cell death triggered by various stimuli. All IAPs have at least one baculovirus IAP repeat (BIR) motif that is essential for their anti-apoptotic activity. Recently a novel human inhibitor of apoptosis protein (IAP) family member termed Livin or ML-IAP, which contains a single baculoviral IAP repeat (BIR) domain and a COOH-terminal RING finger domain, has been identified. Livin gene has two splicing variants that contain open reading frames of 298 and 280 amino acids and both contained a single copy of baculovirus IAP repeat (BIR) and RING domain. Both of the isoforms inhibit TNFα induced apoptosis in Jurkat cells. Livin expression is low in adult tissues. It is relatively expressed at a higher level in developmental tissues and in many cancer cells. Anti-Livin BIRC7 KIAP antibody is ideal for investigators involved in apoptosis research.
Synonyms:	KIAP, LIVIN, MLIAP, RNF50, BIRC7, Baculoviral IAP repeat-containing protein 7, Kidney inhibitor of apoptosis protein, Melanoma inhibitor of apoptosis protein, ML-IAP, RING finger protein 50
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	88C570
Format:	IgG1

Target Details

Gene Name:	BIRC7
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Reactivity:	Human
Immunogen Type:	Recombinant Protein
Immunogen:	Livin Antibody was produced in mice prepared by repeated immunizations with recombinant human protein, Livin.
Purity/Specificity:	Anti-Livin Antibody was purified by Protein G chromatography. A BLAST analysis was used to suggest cross-reactivity with Livin from human based on 100% homology with the immunizing sequence. Cross-reactivity with Anti-Livin from other sources has not been determined.
Relevant Links:	• UniProtKB - Q96CA5 • NCBI - NP_071444.1 • GeneID - 79444

Application Details

Tested Applications:	IF, WB
Application Note:	Anti-Livin antibody is tested for use in IF/ICC and WB. Expect a band approximately 30kDa on specific lysates. 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:	2-5 µg/mL
WB:	1-2 µg/mL

Formulation

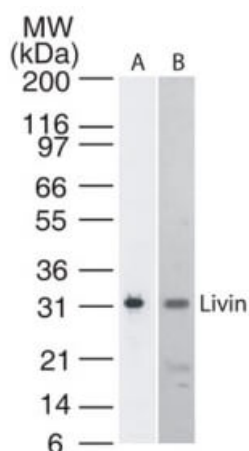
Physical State:	Liquid
Concentration:	0.5 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.05% (w/v) Sodium Azide

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 of Mouse Anti-Livin BIRC7 KIAP antibody.
Lane A: Live transfected cell lysate. Lane B: Molt4 cell lysate. Primary antibody: Livin BIRC7 KIAP antibody at 2 µg/mL for overnight at 4°C. Secondary antibody: IRDye800™ mouse secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 31 kDa for Livin BIRC7 KIAP. Other band(s): none.

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.