

Datasheet for 200-401-Y61**ARMER Antibody****Overview**

Description:	Anti-ARMER (RABBIT) Antibody - 200-401-Y61
Item No.:	200-401-Y61
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	Apoptosis is important for normal development and tissue homeostasis. It is mediated by various caspases and ultimately results in the activation of endogenous endonucleases that degrade cellular DNA. Although apoptosis induced by endoplasmic reticulum (ER) stress is thought to be mediated by caspase-12, other caspases such as caspase-9 are also thought to be activated following ER stress. Recently, ARMER, a novel integral ER-membrane protein was shown to protect cells from ER stress-induced apoptosis. Analysis of the caspase proteolytic cascade suggests that ARMER acts by inhibiting caspase-9 activity, although the mechanism for this remains unknown. It should be noted that ARMER is not related to the inhibitor of apoptosis proteins (IAP) family and does not contain any baculoviral IAP repeat (BIR) domains.
Synonyms:	ARMER Antibody, AIP1, ARMER, SPG61, ARL6IP, KIAA0069, ADP-ribosylation factor-like protein 6-interacting protein 1, ARL-6-interacting protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ARL6IP1
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-ARMER antibody was prepared from whole rabbit serum produced by repeated immunizations with a peptide corresponding to 15 amino acids near the C-terminus of human ARMER.
Purity/Specificity:	Anti-ARMER Antibody is purified by ion exchange chromatography. Cross reactivity with ARMER from other sources has not been determined.
Relevant Links:	• UniProtKB - Q15041 • GeneID - 23204 • NCBI - NP_001300787.1

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-ARMER Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 23 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:	1:5000 - 1:20,000
IF:	2 µg/mL
IHC:	2 µg/mL
WB:	0.5 - 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

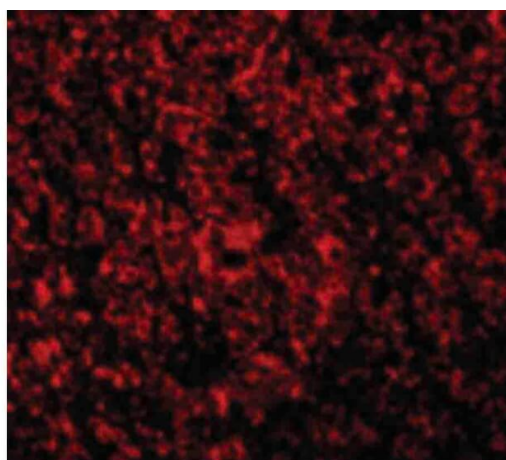
Shipping & Handling

Shipping Condition:	Dry Ice
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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.

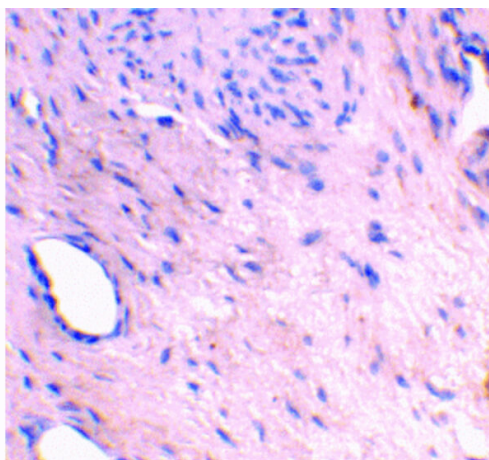
Expiration: Expiration date is one (1) year from date of receipt.

Images



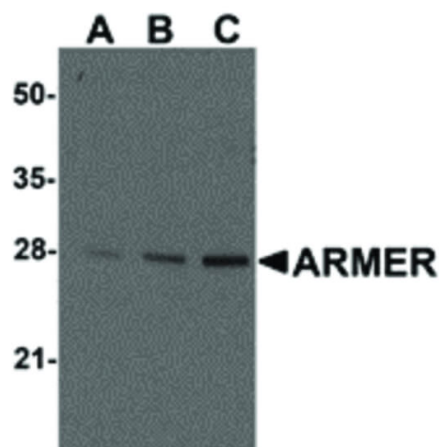
Immunofluorescence Microscopy

Immunofluorescence Microscopy of ARMER antibody. Cell Type: Mouse intestine cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: ARMER antibody at 2 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: ARMER is located in the endoplasmic reticulum and the cell membrane. Staining: ARMER as red fluorescent signal.



Immunohistochemistry

Immunohistochemistry of ARMER antibody. Tissue: human bladder tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: ARMER antibody at 2 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: ARMER is located in the endoplasmic reticulum and the cell membrane. Staining: ARMER is stained with hematoxylin purple nuclear counterstain.

**Western Blot**

Western Blot of ARMER antibody in mouse small intestine tissue lysates. Lane A: ARMER antibody at 0.5 $\mu\text{g/mL}$. Lane B: ARMER antibody at 1 $\mu\text{g/mL}$. Lane C: ARMER antibody at 2 $\mu\text{g/mL}$. Load: 35 μg per lane. Primary antibody: ARMER antibody at designated concentrations 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: 23 kDa, 28 kDa for ARMER. Other band(s): ARMER 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.