Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 200-401-DW0

RAIDD Antibody

Overview

Description:	Anti-RAIDD (RABBIT) Antibody - 200-401-DW0
Item No.:	200-401-DW0
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Apoptosis, or programmed cell death, occurs during normal cellular differentiation and development of multicellular organisms. Apoptosis is induced by certain cytokines including TNF and Fas ligand of the TNF family through their death domain (DD)-containing receptors, TNFR1 and Fas. The death signals are transduced by a group of DD-containing adapter molecules. A novel cell death adapter was recently identified by two independent groups and designated RAIDD (RIP-associated ICH-1/CED-3-homologous protein with DD) and CRADD (caspase and RIP adapter with DD)1, RAIDD contains a DD and a CARD (for caspase recruitment domain) which interact with RIP and caspase, respectively, to transduce death signals. RAIDD is constitutively expressed in many tissues and mediates apoptosis caused by Fas and TNFR-1.
Synonyms:	RAIDD Antibody, MRT34, RAIDD, Death domain-containing protein CRADD, Caspase and RIP adapter with death domain
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CRADD
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-RAIDD antibody was prepared from whole rabbit serum produced by repeated immunizations with a peptide corresponding to amino acids near the C-terminus of human RAIDD.
Purity/Specificity:	Anti-RAIDD Antibody is purified by DEAE purification methods. Cross reactivity with RAIDD from other sources has not been determined.
Relevant Links:	• UniProtKB - P78560 • GeneID - 8738 • NCBI - AAB42217

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-RAIDD Antibody has been tested for use in ELISA, Western Blotting, Immunofluorescence, Immunocytochemistry, and Immunohistochemistry. Expect a band at approximately 23 kDa in Western Blots using positive control MCF7 whole cell lysates, human kidney tissue lysate for IHC, or other specific cell lysates and tissues. 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.
ELISA:	1:10,000
IHC:	10 µg/mL
WB:	2 µg/mL

Formulation

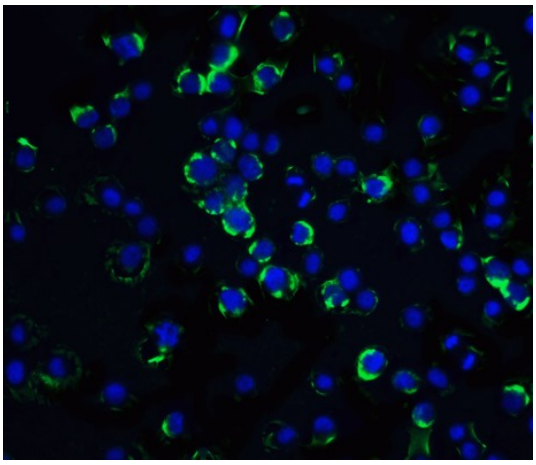
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

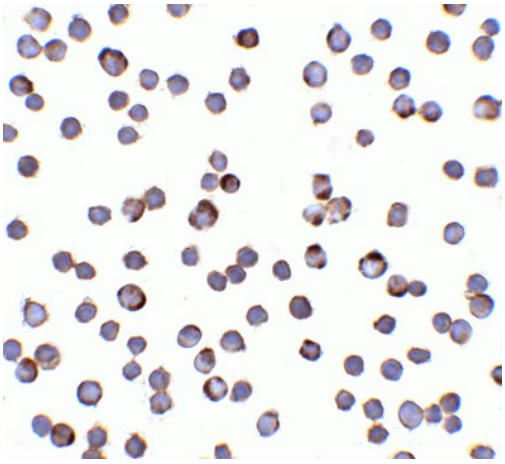
Shipping Condition:	Dry Ice

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.

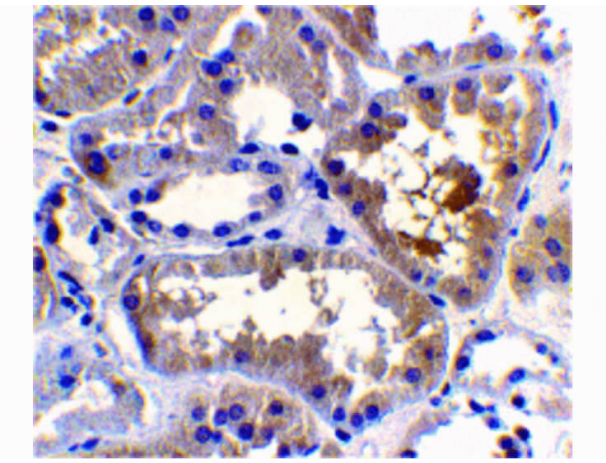
Images



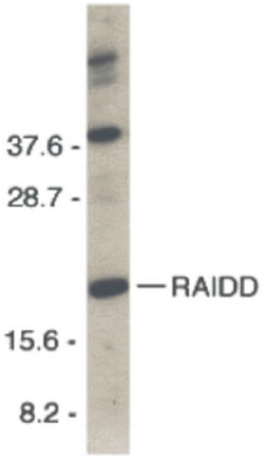
Immunofluorescence Microscopy
Immunofluorescence of RAIDD in Hela cells with RAIDD antibody at 20 µg/mL.
Green: RAIDD Antibody.
Blue: DAPI staining.



Immunohistochemistry
Immunocytochemistry of RAIDD in Hela cells with RAIDD antibody at 10 µg/mL.



Immunohistochemistry
Immunohistochemistry of Rabbit anti-RAIDD antibody. Tissue: human kidney tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: anti-RAIDD 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: RAIDD is nuclear and occasionally cytoplasmic. Staining: RAIDD as precipitated brown signal with hematoxylin purple nuclear counterstain.



Western Blot
Western Blot of Rabbit anti-RAIDD antibody. Lane 1: total cell lysates from HeLa (H) at 1 µg/ml. Load: 35 µg per lane. Primary antibody: anti-RAIDD antibody at 1:500 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: 22.7 kDa, 23 kDa for RAIDD. 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.