Datasheet for 600-401-G93

DcR2 Antibody

Overview

Description:	Anti-DcR2 (RABBIT) Antibody - 600-401-G93
Item No.:	600-401-G93
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	DcR2 antibody detects human DcR2 precursor. Apoptosis is induced by certain cytokines including TNF and Fas ligand in the TNF family through their death domain containing receptors. TRAIL/Apo2L is a new member of the TNF family and induces apoptosis of a variety of tumor cell lines. DR4 and DR5 are the recently identified functional receptors for TRAIL, and DcR1/TRID is a decoy receptor. Another member of the TRAIL receptor family was more recently identified and designated DcR2, TRAIL-R4, or TRUNDD. DcR2 has an extracellular TRAIL-binding domain but lacks intracellular death domain and does not induce apoptosis. Like DR4 and DR5, DcR2 transcript is widely expressed in normal human tissues. Overexpression of DcR2 attenuated TRAIL-induced apoptosis. Anti-DcR2 antibodies are ideal for investigators involved in NFkappaB, Apoptosis, Cytokine and Growth factor research.
Synonyms:	DCR2, TRAILR4, TRUNDD
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TNFRSF10D
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	DcR2 Antibody was produced from whole rabbit serum prepared by repeated immunizations with a peptide corresponding to an internal region of human DcR2 precursor.
Purity/Specificity:	Anti-DcR2 Antibody was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest cross-reactivity with DcR2 with Human, Mouse and Rat based on 100% homology with the immunizing sequence. Cross-reactivity with DcR2 from other sources has not been determined.
Relevant Links:	• NCBI - NP_003831.2 • UniProtKB - Q9UBN6 • GeneID - 8793

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-DcR2 Antibody is tested for use in E, ICC, IF, IHC-P, WB. Expect a band approximately ~41.8 kDa 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:	20 µg/mL
IHC:	2.5 µg/mL
WB:	1:2000

Formulation

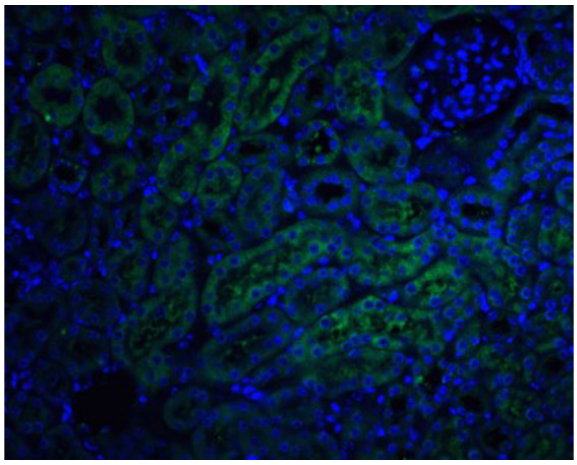
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/ml by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

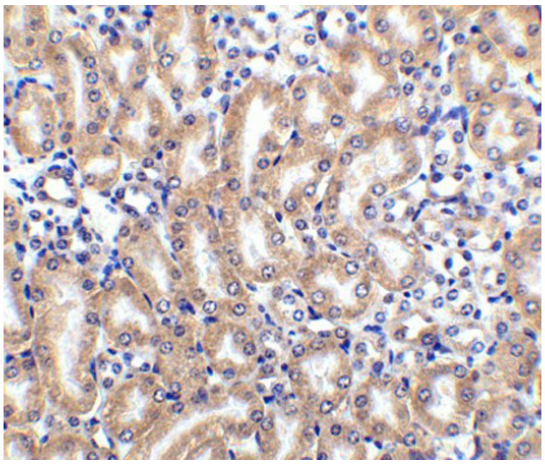
Shipping Condition:	Dry Ice

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.

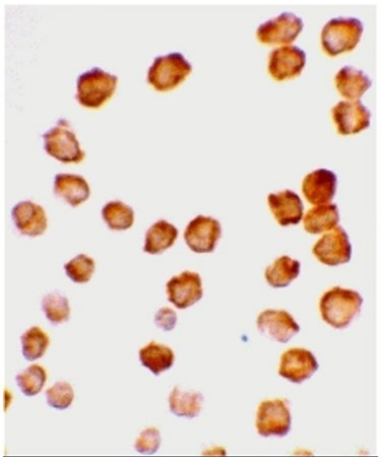
Images



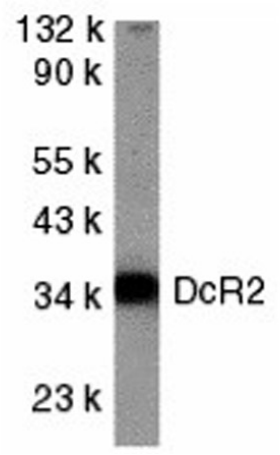
Immunofluorescence Microscopy
Immunofluorescence of Anti-DcR2.
Tissue: mouse kidney tissue.
Primary Antibody: Anti-DcR2 antibody at 20 µg/ml.
Staining: DcR2 Antibody (green), DAPI (blue).



Immunohistochemistry
Immunohistochemistry of Anti-DcR2.
Tissue: mouse kidney node tissue.
Primary: Anti-DcR2 antibody at 2.5 µg/ml.



Immunocytochemistry
Immunocytochemistry of Anti-DcR2.
Cells: HeLa cells.
Primary Antibody: DcR2 antibody at 10µg/mL.



Western Blot
Western blot analysis of DcR2.
Lane 1: HeLa whole cell lysate.
Primary Antibody: DcR2 antibody at 1 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.