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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

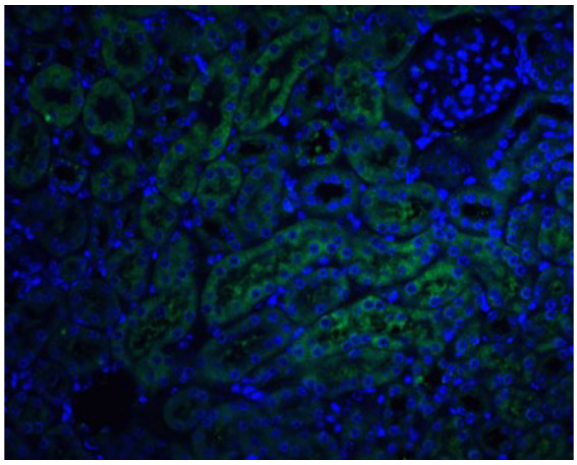
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/ml by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

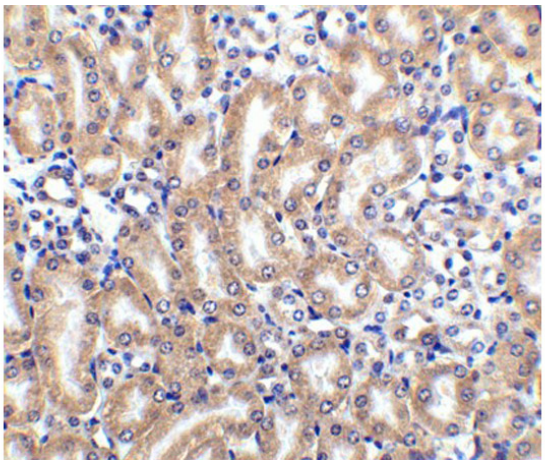
Shipping Condition:	Dry Ice

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.

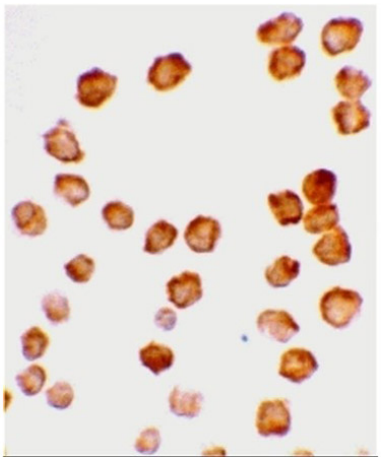
Images



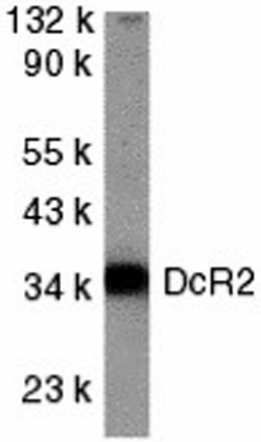
Immunofluorescence Microscopy
Immunofluorescence of Anti-DcR2.
Tissue: mouse kidney tissue.
Primary Antibody: Anti-DcR2 antibody at 20 µg/ml.
Staining: DcR2 Antibody (green), DAPI (blue).



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.

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