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Datasheet for 200-401-AT7

DcR3 Antibody

Overview

Description:	Anti-DcR3 (RABBIT) Antibody - 200-401-AT7
Item No.:	200-401-AT7
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Apoptosis is induced by certain cytokines including TNF and Fas ligand in the TNF family through their death domain containing receptors. Several novel members in the TNFR family including DR3, DR4, DR5, and DR6 were recently discovered and function as cell death receptors. Two decoy receptors, DcR1 and DcR2, were recently identified to compete with DR4 and DR5 for their ligand TRAIL binding. A novel decoy receptor was more recently discovered and designated DcR3 and TR6, respectively,. Unlike DcR1 and DcR2, DcR3 is a soluble rather than a membrane associated molecule. DcR3 binds to FasL and LIGHT and inhibits FasL and LIGHT induced apoptosis. DcR3 transcript is expressed in a number of lung and colon carcinomas and in some normal tissues.
Synonyms:	DcR3 Antibody, M68, TR6, DCR3, M68E, DJ583P15.1.1, UNQ186/PRO212, Tumor necrosis factor receptor superfamily member 6B, Decoy receptor 3, DcR3
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TNFRSF6B
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-DcR3 antibody was prepared from whole rabbit serum produced by repeated immunizations with a peptide corresponding to amino acids near the N-terminus of human DcR3 precursor.
Purity/Specificity:	Anti-DcR3 Antibody is purified by ion exchange chromatography. Cross reactivity with DcR3 from other sources has not been determined.
Relevant Links:	• UniProtKB - O95407 • GeneID - 8771 • NCBI - AF104419

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-DcR3 Antibody has been tested for use in ELISA, Western Blotting, and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 33 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:	1:5,000
IHC:	1 µg/mL
WB:	0.5 µg/mL

Formulation

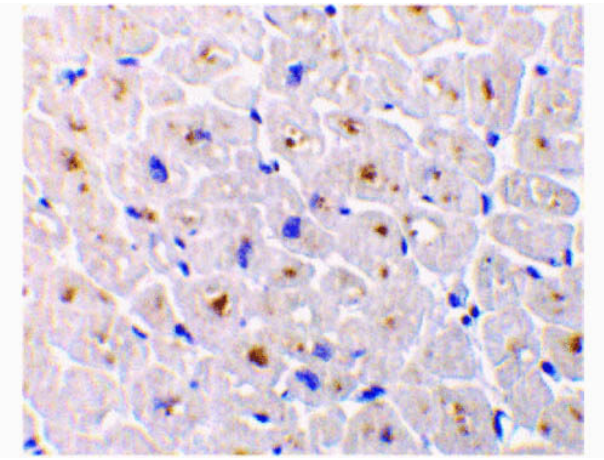
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

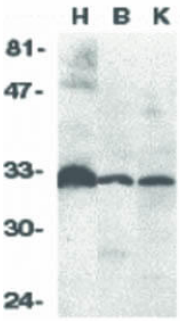
Shipping Condition:	Dry Ice

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



Immunohistochemistry
Immunohistochemistry of DcR3 antibody. Tissue: Human heart tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: DcR3 antibody at 1 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: DcR3 is secreted in extracellular space. Staining: DcR3 s precipitated brown signal with hematoxylin blue nuclear counterstain.



Western Blot
Western Blot of DcR3 antibody. Lane 1: Human heart tissue lysate. Lane 2: Human brain tissue lysate. Lane 3: Human kidney tissue lysate. Load: 35 µg per lane. Primary antibody: DcR3 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: 32.7 kDa, 32.5 kDa for DcR3. Other band(s): DcR3 splice variants and isoforms.

Disclaimer

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