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Datasheet for 600-401-DV9

RAIDD Antibody

Overview

Description:	Anti-RAIDD (RABBIT) Antibody - 600-401-DV9
Item No.:	600-401-DV9
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 signals1, 3. 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 19 amino acid peptide near the internal region of human RAIDD.
Purity/Specificity:	Anti-RAIDD Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. 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, Immunocytochemistry 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:	1:5,000 - 1:10,000
IF:	20 µg/mL
WB:	.5-1 µg/mL

Formulation

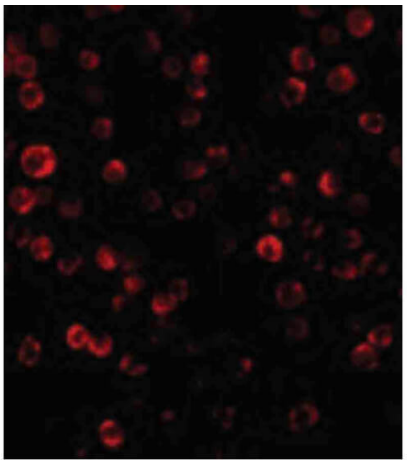
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

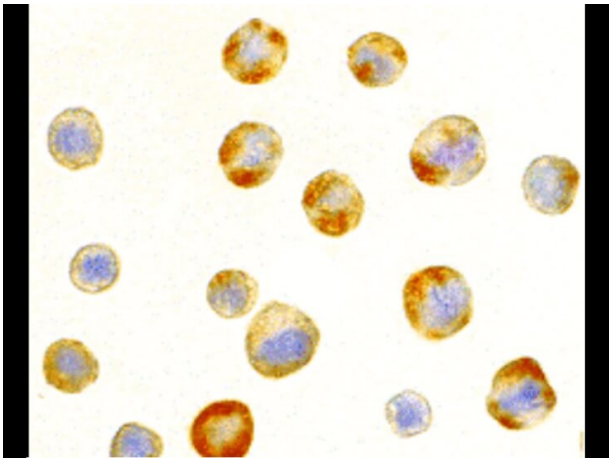
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several 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.

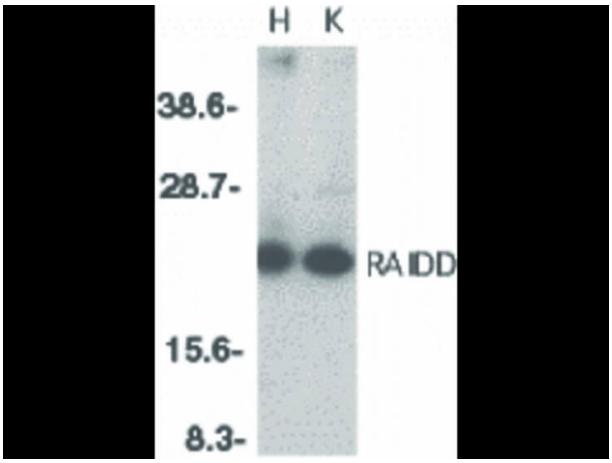
Images



Immunofluorescence Microscopy
Immunofluorescence Microscopy of Rabbit anti-RAIDD antibody. Cell Type: Hela cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: anti-RAIDD antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: RAIDD is nuclear and occasionally cytoplasmic. Staining: RAIDD as red fluorescent signal with bis- benzimine (blue) nuclear counterstain.



Immunohistochemistry
Immunocytochemistry of Rabbit anti-RAIDD antibody. Cell Type: Hela cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: anti-RAIDD antibody at 5 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: whole cell lysates from HeLa (H). Lane 2: K562 cells (K). 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.

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