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Datasheet for 600-401-Y55

ARC Antibody

Overview

Description:	Anti-ARC (RABBIT) Antibody - 600-401-Y55
Item No.:	600-401-Y55
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Apoptosis is regulated by death domain (DD) and/or caspase recruitment domain (CARD) containing molecules and a caspase family of proteases. CARD domain containing cell death regulators include RAIDD, Apaf-1, caspase-9, and caspase-2. A novel CARD domain containing protein was recently identified and designated ARC for apoptosis repressor with CARD. ARC interacts with caspase-2 and -8 and inhibits enzymatic activity of caspase-8. ARC suppresses apoptosis induced by cell death adapters FADD and TRADD and by cell death receptors Fas, TNFR-1 and DR3. The messenger RNA of ARC is primarily expressed in skeletal muscle and cardiac tissue.
Synonyms:	ARC Antibody, ARC, FCM, MYP, NOP, NOP30, ARC, Nucleolar protein 3, Apoptosis repressor with CARD, Myp
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	NOL3
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-ARC antibody was prepared from whole rabbit serum produced by repeated immunizations with a 18 amino acid peptide near the C-terminus of human ARC.

Purity/Specificity:	Anti-ARC Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with ARC from other sources has not been determined.
Relevant Links:	• UniProtKB - O60936 • GeneID - 8996 • NCBI - NP_003937

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-ARC 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 24 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:	1:10,000
IHC:	5 µg/mL
WB:	1:1,000

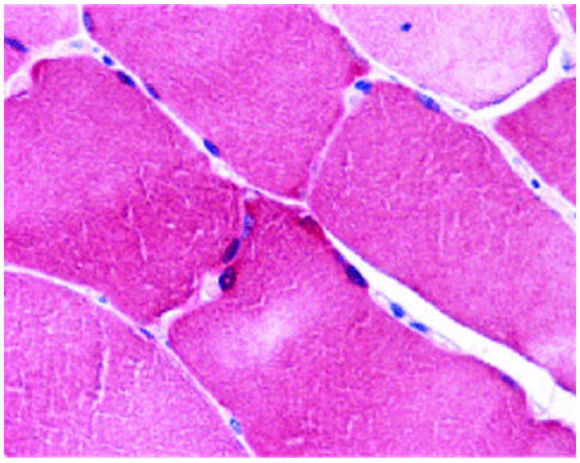
Formulation

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

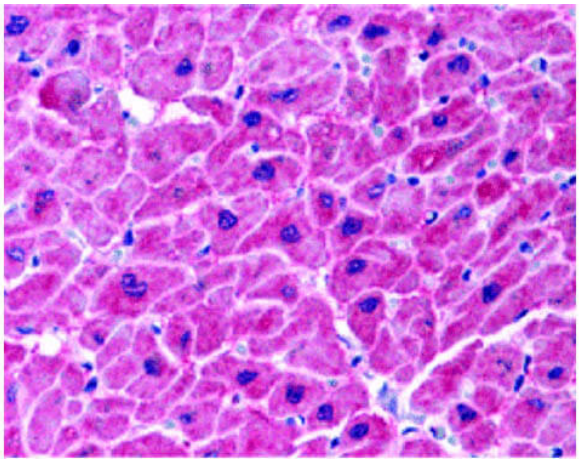
Shipping & Handling

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.

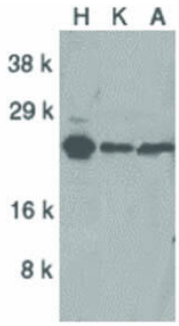
Images



Immunohistochemistry
Immunohistochemistry of ARC antibody. Tissue: Human skeletal muscle. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: ARC 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: ARC is cytoplasmic and occasionally nuclear. Staining: ARC as precipitated pink signal with hematoxylin purple nuclear counterstain.



Immunohistochemistry
Immunohistochemistry of ARC antibody. Tissue: Human heart. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: ARC 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: ARC is cytoplasmic and occasionally nuclear. Staining: ARC as precipitated pink signal with hematoxylin purple nuclear counterstain.



Western Blot
Western Blot of ARC antibody. Lane 1: HeLa whole cell lysate. Lane 2: KB whole cell lysate. Lane 3: A549 whole cell lysate. Load: 35 µg per lane. Primary antibody: ARC antibody at 1:1000 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: 22.6 kDa, 26 kDa for ARC. Other band(s): ARC splice variants and isoforms.

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Disclaimer

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