

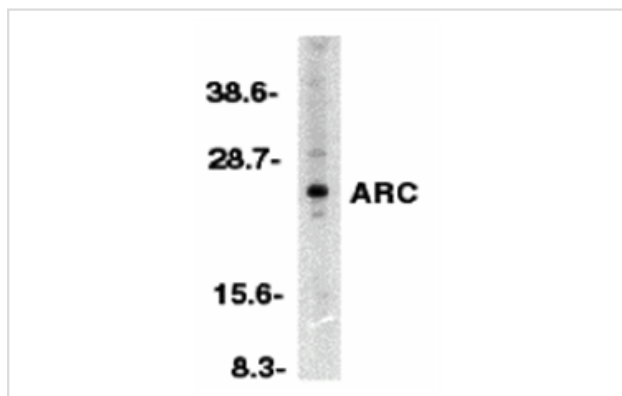
## Description

Product Name	ARC Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to amino acids 2 to 18 of human origin. These sequences are identical to those of human nuclear protein Nop30 (2) and differ from those of the rat homolog of ARC by one amino acid (3).
Target Name	ARC
Other Names	ARC
Accession No.	Swiss-Prot:O60936Gene ID:8996
Uniprot	O60936
GeneID	8996;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

## Application Details

Predicted MW: 25 kd

## Images



Western blot analysis of ARC in HeLa whole cell lysates with ARC antibody at 1:500 dilution.

## Background

Apoptosis is regulated by death domain (DD) and/or caspase recruitment domain (CARD) containing molecules and a caspase family of proteases.

CARD containing cell death regulators include RAIDD, RICK BCL10, 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.

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Note: This product is for in vitro research use only