

## ARC Antibody

Catalog No: #24052

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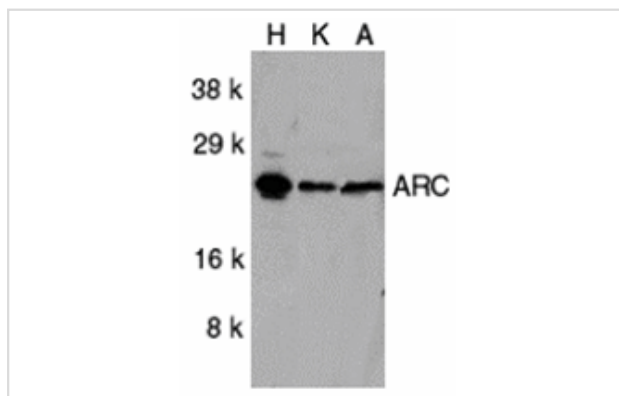
## Description

Product Name	ARC Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	E WB IHC
Species Reactivity	Hu
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to amino acids 191 to 208 of human origin.
Target Name	ARC
Other Names	ARC
Accession No.	NP_003937
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.

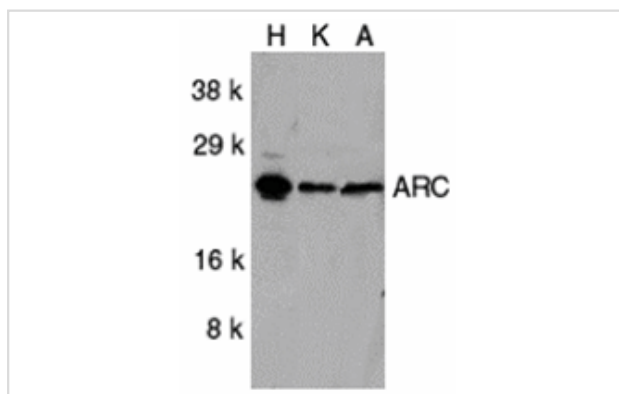
## Application Details

Predicted MW: 25 kd

## Images



Western blot analysis of ARC in HeLa (H), KB (K), and A549 (A) whole cell lysates with ARC antibody at 1:1000 dilution.



Immunohistochemistry of ARC in human skeletal muscle with ARC antibody at 5 ug/mL.

## Background

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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.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.