

## Anti-Arc Antibody

Catalog Number: PA1390

### About ARC

ARC, officially called activity-regulated cytoskeleton-associated protein, is a plasticity protein first characterized in 1995. It is a member of the immediate-early gene (IEG) family. The ARC gene is mapped to chromosome 8q24. It has got 460 amino acid protein which shares significant similarity with rat Arc. The Arc is highly expressed in heart, brain, lung, skeletal muscle, pancreas, prostate and testis and has got weak expression in small intestine, colon, and peripheral blood leukocytes. Arc is widely considered to be an important protein in neurobiology and also a significant tool for systems neuroscience.

### Overview

Product Name	Anti-Arc Antibody
Reactive Species	Human, Mouse, Rat
Description	Rabbit IgG polyclonal antibody for Activity-regulated cytoskeleton-associated protein (ARC) detection. Tested with WB in Human; Mouse; Rat.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q7LC44

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Arc(1-15aa MELDHRTSGGLHAYP), different from the related rat and mouse sequences by two amino acids.
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Predicted Reactive Species	Monkey
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross reactivity with other proteins
Isotype	N/A
Form	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5µg/ml, Human, Rat, Mouse
	For protocols please visit <a href="https://www.bosterbio.com/protocol-and-troubleshooting/">https://www.bosterbio.com/protocol-and-troubleshooting/</a>

## Anti-Arc Antibody (PA1390) Images



Anti- antibody, PA, Western blotting  
All lanes: Anti ARC (PA1390) at 0.5ug/ml  
WB: PANC Whole Cell Lysate at 40ug  
Predicted bind size: 45KD  
Observed bind size: 45KD

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