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Datasheet for ABIN739460

## anti-Arc antibody (AA 101-200)

3 Images

1 Publication

### Overview

Quantity:	100 µL
Target:	Arc
Binding Specificity:	AA 101-200
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Arc antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), ELISA

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ARC
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Cow,Horse,Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	Arc
Alternative Name:	ARC/Arg3.1 ( <a href="#">Arc Products</a> )
Background:	Synonyms: Arg3.1, Activity-regulated cytoskeleton-associated protein, ARC/ARG3.1, Activity-

## Target Details

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regulated gene 3.1 protein homolog, ARC, KIAA278

Background: Required for consolidation of synaptic plasticity as well as formation of long-term memory. Regulates endocytosis of AMPA receptors in response to synaptic activity. Required for homeostatic synaptic scaling of AMPA receptors (By similarity). Plays a role in the regulation of cell morphology and cytoskeletal organization. Required in the stress fiber dynamics and cell migration.

Gene ID: 23237

UniProt: [Q7LC44](#)

## Application Details

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Application Notes: WB 1:300-5000  
ELISA 1:500-1000  
FCM 1:20-100

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C, -20 °C

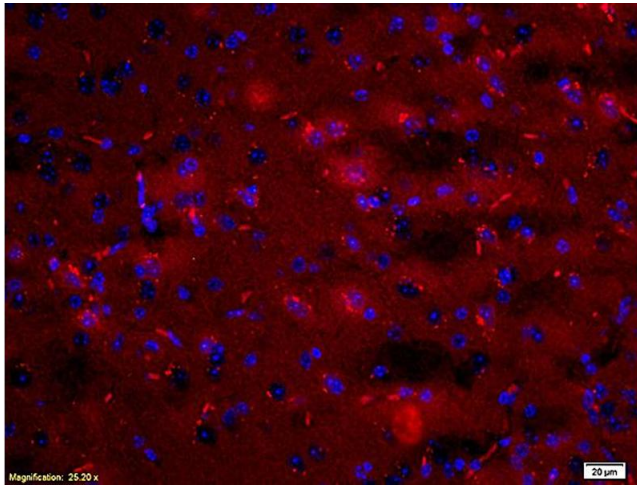
Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

## Publications

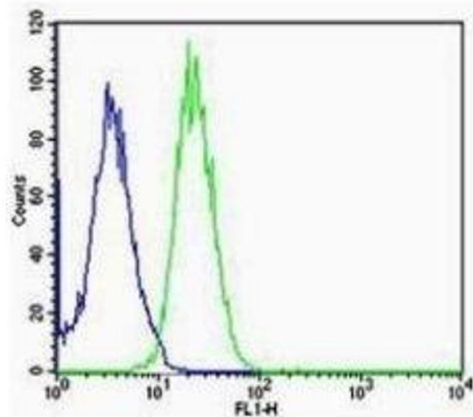
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Product cited in: Atluri, Kanthikeel, Reddy, Yndart, Nair: "Human synaptic plasticity gene expression profile and dendritic spine density changes in HIV-infected human CNS cells: role in HIV-associated neurocognitive disorders (HAND)." in: **PLoS ONE**, Vol. 8, Issue 4, pp. e61399, (2013) ([PubMed](#)).



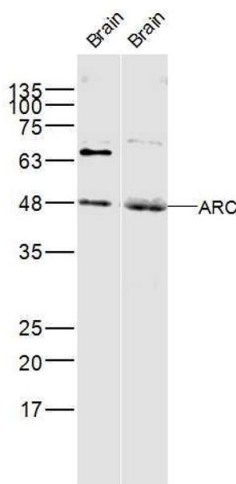
### Immunofluorescence

**Image 1.** Formalin-fixed and paraffin embedded: rat brain tissue labeled with Anti-ARC Polyclonal Antibody (ABIN739460), Unconjugated at 1:200, followed by conjugation to the secondary antibody was Goat Anti-Rabbit IgG, PE conjugated at 1:200 for 40 minutes at 37°C DAPI(5 μg/ml, blue) was used to stain the cell nuclei



### Flow Cytometry

**Image 2.** A549 cells probed with Rabbit Anti-ARC/Arg3.1 Polyclonal Antibody Alexa Fluor 488 Conjugated Secondary.



### Western Blotting

**Image 3.** Lane 1: Rat brain Lane 2: mouse brain lysate probed with ARC Polyclonal Antibody, Unconjugated at 1:300 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.