

For Research Use Only

# ARC Monoclonal antibody, PBS Only

Catalog Number: 66550-1-PBS

Featured Product



## Basic Information

**Catalog Number:**

66550-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG9445

**GenBank Accession Number:**

BC012321

**GeneID (NCBI):**

23237

**UNIPROT ID:**

Q7LC44

**Full Name:**

activity-regulated cytoskeleton-associated protein

**Calculated MW:**

396 aa, 45 kDa

**Observed MW:**

50 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

1G4B5

## Applications

**Tested Applications:**

WB, IF, IHC, Indirect ELISA

**Species Specificity:**

Human, Mouse, Rat, Pig, rabbit

## Background Information

ARC, also named as KIAA0278 and Arg3.1, mediates endocytosis of neuronal AMPA-type glutamate receptors (AMPArs). It is required for consolidation of synaptic plasticity as well as formation of long-term memory. ARC plays a role in the regulation of cell morphology and cytoskeletal organization. It is required in the stress fiber dynamics and cell migration. Recent study shows that expression of Arc can regulate cognitive flexibility.

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS Only

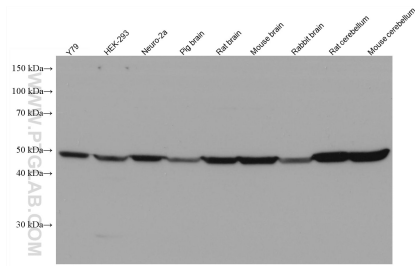
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

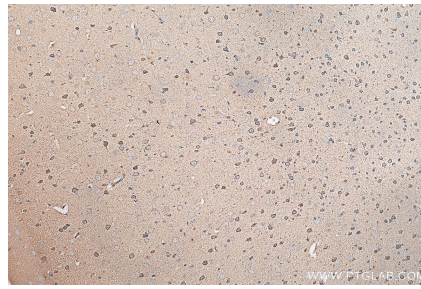
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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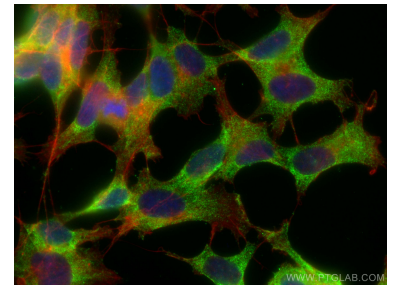
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66550-1-Ig (ARC antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66550-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66550-1-Ig (ARC antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66550-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using ARC antibody (66550-1-Ig, Clone: 1G4B5 ) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 66550-1-PBS in a different storage buffer formulation.