



ARC Rabbit mAb

Catalog No	YP-rAb-16947
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,IP,ELISA
Gene Name	ARC KIAA0278
Protein Name	Activity-regulated cytoskeleton-associated protein (ARC/ARG3.1) (Activity-regulated gene 3.1 protein homolog) (Arg3.1)
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1:1000; WB 1:500-1:2000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	
Observed Band	55kD
Calculated Molecular Weight	45kD
Cell Pathway	Extracellular vesicle membrane ; Lipid-anchor . Cell junction, synapse, postsynaptic cell membrane ; Lipid-anchor . Cell junction, synapse . Cell junction, synapse, postsynaptic density . Early endosome membrane . Cell projection, dendrite . Cytoplasm, cytoskeleton . Cytoplasm, cell cortex . Cell projection, dendritic spine . Cytoplasmic vesicle, secretory vesicle, acrosome . Forms virion-like extracellular vesicles that are released from neurons. Enriched in postsynaptic density of dendritic spines. Targeted to inactive synapses following interaction with CAMK2B in the kinase inactive state. Accumulation at weaker synapses may be required to prevent their undesired enhancement. Associated with the cell cortex of neuronal soma and dendrites (By similarity). Associated with the sperm tail (By similarity) . .
Tissue Specificity	Brain,Forebrain,Uterus,
Function	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.,similarity:Belongs to the ARC/ARG3.1 family.,subcellular

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location:Associated with the cell cortex of neuronal soma and dendrites. Enriched in postsynaptic density of dendritic spines. Associated with the sperm tail.,subunit:Interacts with SH3GL1/endophilin-2, SH3GL3/endophilin-3 and DNM2/DYN2.,

Background

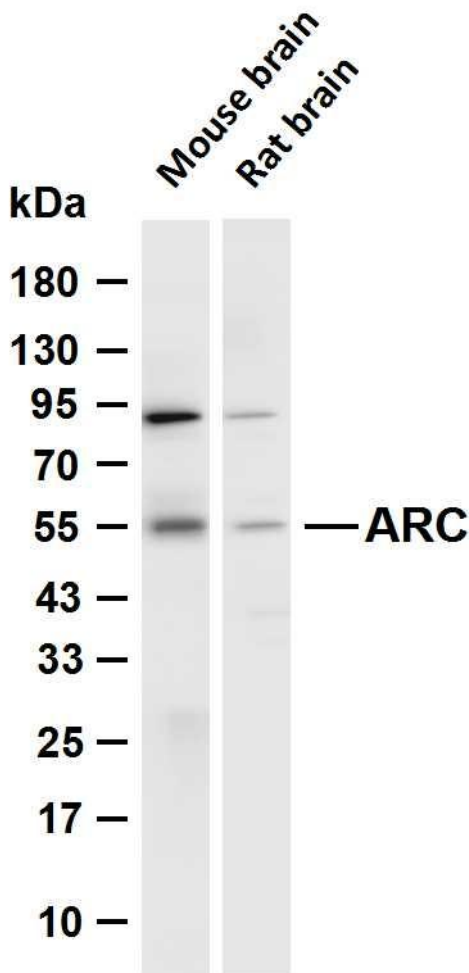
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matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-ARC antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: Mouse brain Lane 2: Rat brain
Predicted band size: 45kDa Observed band size: 55kDa

