



# ARC Polyclonal Antibody

<b>Catalog No</b>	BYab-07144
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	ARC KIAA0278
<b>Protein Name</b>	Activity-regulated cytoskeleton-associated protein (ARC/ARG3.1) (Activity-regulated gene 3.1 protein homolog) (Arg3.1)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 70-150
<b>Specificity</b>	ARC Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	43kD
<b>Cell Pathway</b>	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 (
<b>Tissue Specificity</b>	Brain,Forebrain,Uterus,
<b>Function</b>	function:Required for consolidation of synaptic plasticity as well as formation of long-term memory. Regulates endocytosis of AMPA receptors in response to

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synaptic activity. Required for homeostatic synaptic scaling of AMPA receptors.,similarity:Belongs to the ARC/ARG3.1 family.,subcellular 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**

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 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.,

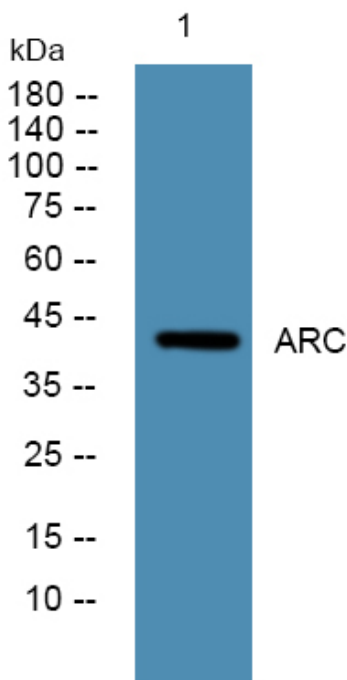
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

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

**Products Images**



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