

Datasheet for ABIN350080 **anti-Arc antibody**



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Overview

Quantity:	500 µg
Target:	Arc
Reactivity:	Human, Rat, Mouse
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This Arc antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthetic peptide from human Arg3.1 (ARC) conjugated to blue carrier protein was used as the antigen. The peptide is homologous in rat and mouse.
Isotype:	IgG
Specificity:	Specific for Arg3.1/ARC.

Target Details

Target:	Arc
Alternative Name:	Arg3.1 (ARC) (Arc Products)
Background:	<p>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.</p> <p>Subcellular location: Cytoplasm, cytoskeleton. Endosome. Acrosome. Cell junction, synapse,</p>

Target Details

postsynaptic cell membrane, postsynaptic density. Cell projection, dendrite. Cell projection, dendritic spine. Cell junction, synapse. Note=Associated with the cell cortex of neuronal soma and dendrites. Enriched in postsynaptic density of dendritic spines. Associated with the sperm tail. Also known as: Activity-regulated cytoskeleton-associated protein, Activity-regulated gene 3.1 protein homolog, Arg3.1/ARC,.

Application Details

Application Notes:	Use at a concentration of 10-50 µg/ml. The optimal working concentration should be determined by the end user. Not yet tested in other applications.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute in 500 µL of sterile water. Centrifuge to remove any insoluble material.
Handling Advice:	Avoid freeze and thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8°C for a shorter term. When reconstituting, glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.
Expiry Date:	12 months