

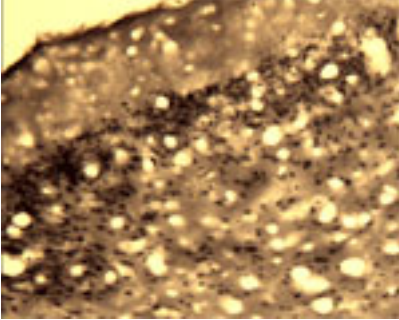
## Rabbit antibody to Arg3.1 (ARC): IgG

<b>Catalogue No.:</b>	R-173-500
<b>Description:</b>	Arc (also termed activity-regulated cytoskeleton-associated protein or Arg3.1), is an effector immediate early gene whose upregulation has been demonstrated during events of synaptic plasticity. Arg3.1 expression is detectable in neuronal cell bodies and dendrites in the brain regions including striatum and cortex hippocampus, hypothalamus, amygdala.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	500 ug
<b>Antigen:</b>	A synthetic peptide from the C terminal of human Arg3.1 protein (ARC protein) conjugated to Blue Carrier Protein. The sequence is homologous with mouse and rat form of Arg3.1.
<b>Other Names:</b>	ARC; activity regulated cytoskeletal-associated protein; Activity-regulated gene 3.1 protein homolog; Arg3.1; RCA/ARG3.1; ARC;
<b>Accession:</b>	Arg3.1_HUMAN Arg3.1_MOUSE Arg3.1_RAT
<b>Produced in:</b>	Rabbit
<b>Purity:</b>	Protein G purified IgG
<b>Applications:</b>	IHC. A concentration of of 2-4 ug/mL is recommended for this application. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	Specific for Arg3.1.
<b>Cross-reactivity:</b>	Rat and Mouse. Other species not yet tested.
<b>Form:</b>	Lyophilised
<b>Reconstitution:</b>	Reconstitute in 500 uL of sterile water. Centrifuge to remove any insoluble material.
<b>Storage:</b>	After reconstitution keep aliquots at -20C for a higher stability, and at 2-8C with an appropriate antibacterial agent. Glycerol (1:1) may be added for an additional stability. Avoid repetitive freeze/thaw cycles.
<b>Expiry Date:</b>	12 months after purchase
<b>References:</b>	1. Kajiya K, et al. J. Neurosci. 21:6018-6025(2001). 2. Young J.M, et al. Genome Biol. 4:RESEARCH71.1-RESEARCH71.13(2003). 3. Zhang X., Firestein S. Nat. Neurosci. 5:124-133(2002). 4. Young J.M, et al. Hum. Mol. Genet. 11:535-546(2002). 5. Kelly MP, et al. Neuroscience. 110(4):617-26 (2002).

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FOR RESEARCH USE ONLY

## Rabbit antibody to Arg3.1 (ARC): IgG



Immunohistochemical detection of Arg3.1 in free floating cryosectioned rat brain (Cortex) using Rabbit antibody to Arg3.1 (ARC): IgG (R-173-500) at a concentration of 2 µg/ml.

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