



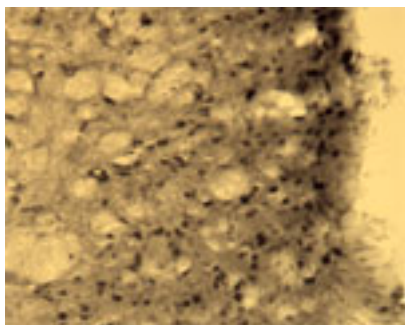
Rabbit antibody to Arg3.1 (ARC): whole serum

Catalogue No.:	R-154-100
Description:	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.
Batch No.:	See product label
Unit size:	100 uL
Antigen:	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.
Other Names:	ARC; activity regulated cytoskeletal-associated protein; Activity-regulated gene 3.1 protein homolog; Arg3.1; RCA/ARG3.1; ARC;
Accession:	ARC_HUMAN ARC_MOUSE ARC_RAT
Produced in:	Rabbit
Purity:	Whole serum
Applications:	IHC. A dilution of 1: 50 to 1: 1000 is recommended. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	Specific for Arg3.1.
Cross-reactivity:	Rat and Mouse. Other species not yet tested.
Form:	Lyophilised, containing no preservatives
Reconstitution:	Reconstitute in 100 uL of sterile water. Centrifuge to remove any insoluble material. Use sterile methods as antibody does not contain preservatives
Storage:	After reconstitution keep aliquots at -20C for a higher stability. Glycerol (1:1) may be added for an additional stability. Sodium azide or other appropriate antibacterial agent should be added if material is to be kept any length of time at 2-8C. Avoid repetitive freeze/thaw cycles.
Expiry Date:	12 months after purchase
References:	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).

FOR RESEARCH USE ONLY



Rabbit antibody to Arg3.1 (ARC): whole serum



Immunohistochemical detection of Arg3.1 in free floating cryosectioned rat spinal cord (dorsal horn) using Rabbit antibody to Arg3.1 (ARC): whole serum (R-154-100) at a dilution of 1: 250.

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