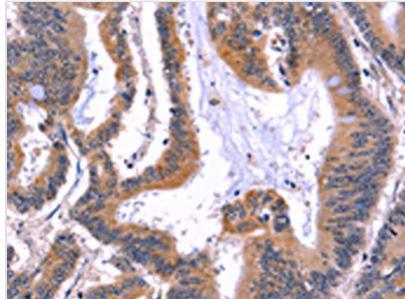
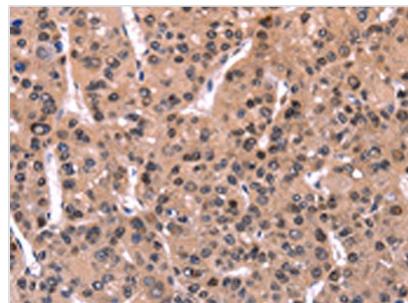
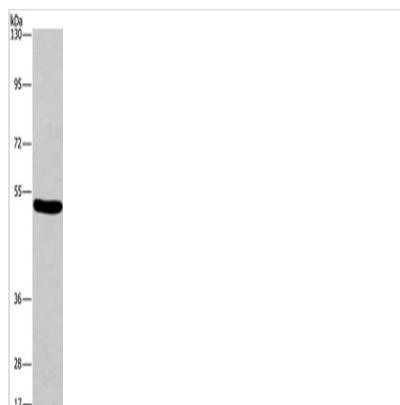


ARC Antibody

Product Code	CSB-PA698018
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q7LC44
Immunogen	Fusion protein of Human ARC
Raised In	Rabbit
Species Reactivity	Human, Mouse, Rat
Tested Applications	ELISA, WB, IHC; ELISA: 1:2000-1:5000, WB: 1:500-1:2000, IHC: 1:50-1:200
Relevance	Arc (for activity-regulated cytoskeleton-associated protein) is a growth factor and immediate early gene that is enriched in brain. Arc mRNA and protein levels are induced by neuronal activity, which is necessary to stimulate neuroplasticity, indicating a potential role for Arc in activity-dependent changes in dendrite function. Arc expression has been detected in neuronal cell bodies and dendrites in the hippocampus, amygdala, hypothalamus, striatum and cortex. Arc has been shown to localize to the cytoskeleton of neuronal cells and appears to colocalize with F-Actin, although it may associate with an Actin-associated protein rather than directly with F-Actin. It has been shown that cocaine-stimulated neuronal activity results in increased Arc mRNA levels in striatum.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol
Purification Method	Antigen affinity purification
Isotype	IgG
Species	Homo sapiens (Human)
Target Names	ARC
Image	 <p>The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using CSB-PA698018(ARC Antibody) at dilution 1/50, on the right is treated with fusion protein. (Original magnification: x200)</p>



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using CSB-PA698018(ARC Antibody) at dilution 1/50, on the right is treated with fusion protein. (Original magnification: x200)



Gel: 6%SDS-PAGE, Lysate: 40 μ g, Lane: Mouse brain tissue, Primary antibody: CSB-PA698018(ARC Antibody) at dilution 1/597, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 1 minute