

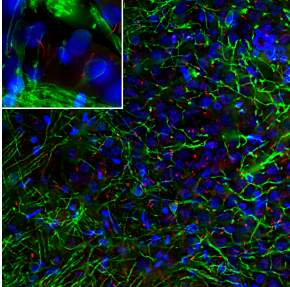
Anti-Adenylate Cyclase 3 Antibody (A104341)

Specifications:

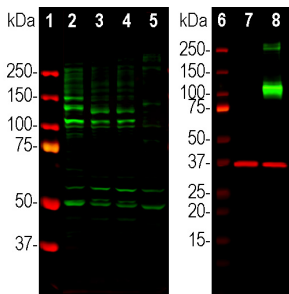
Name:	Anti-Adenylate Cyclase 3 Antibody
Description:	Chicken polyclonal antibody to Adenylate Cyclase 3.
Applications:	WB, ICC/IF, IHC
Recommended Dilutions:	WB: 1:500-1:1,000, ICC/IF: 1:5,000-1:10,000, IHC: 1:5,000-1:10,000
Reactivity:	Rat, Mouse
Immunogen:	C-terminal peptide of rat Adenylate Cyclase 3, with a Cys added to the N-terminus to allow coupling to KLH.
Sequence:	PAAFPNGSSVTLPHQVVDNP
Host:	Chicken
Clonality:	Polyclonal
Isotype:	IgY
Conjugate:	Unconjugated
Purification:	Immunogen affinity purification.
Concentration:	1 mg/ml
Molecular Weight:	~120 kDa (and above)
Product Form:	Liquid
Formulation:	Supplied in Phosphate Buffered Saline with 50% Glycerol and 5mM Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

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Images:



Immunofluorescence analysis of rat cortex section stained with Anti-ACIII Antibody (1:10,000 | red) and co-stained with Anti-CNP Antibody (1:1,000 | green). The blue is Hoechst staining of nuclear DNA. The Anti-ACIII Antibody reveals neuronal cilia while the Anti-CNP Antibody stains oligodendrocytes and the myelin sheath around axons.



Western blot analysis of different tissue lysates using Anti-ACIII Antibody (1:1,000 | green). On the left blot: [1] protein standard, [2] rat hippocampus, [3] mouse hippocampus, [4] mouse frontal cortex, and [5] cow frontal cortex. Anti-ACIII Antibody detects variably glycosylated forms of ACIII protein with apparent molecular weights from ~120kDa and higher. On the right blot: [6] protein standard, [7] non-transfected HEK293 cells, and [8] HEK293 cells transfected with DNA expressing Myc-DDK tagged full length human adenylate cyclase III from the appropriate cDNA (ACIII). The strong band at about 130kDa demonstrates overexpression of the ACIII protein, and those over 250kDa double band presumably corresponds to heavily glycosylated or aggregated forms of ACIII. The same blot was simultaneously probed with Anti-GAPDH Antibody (1:5,000 | red), which reveals the single GAPDH band at ~37kDa in both transfected and non-transfected cells.