

Product datasheet for **AP32981PU-N**

Adcy3 (C-term) Rabbit Polyclonal Antibody

Product data:

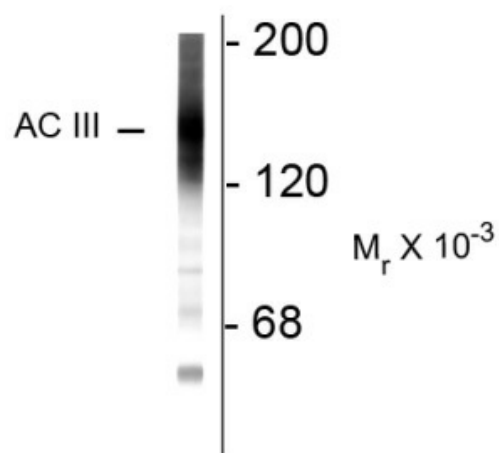
Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Western Blot: 1/2000. Immunohistochemistry. Immunofluorescence: 1/500.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to amino acid residues from the C-terminal region of Rat Adenylate Cyclase III conjugated to KLH.
Specificity:	Specific for the ~160 kDa Adenylate Cyclase III.
Formulation:	PBS State: Aff - Purified State: Liquid purified IgG fraction
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	adenylate cyclase 3
Database Link:	Entrez Gene 64508 Rat P21932
Background:	Adenylate cyclase is the enzyme which produces the “second messenger” signaling molecule, cAMP from ATP. Type III adenylate cyclase is localized to the membranes surrounding neuronal cilia. Much is currently unknown about the function of primary cilia in vertebrates, however, recent work has begun to explore their role in neuronal signaling and neurogenesis (Fuchs and Schwark, 2004; Louvi and Grove 2011).



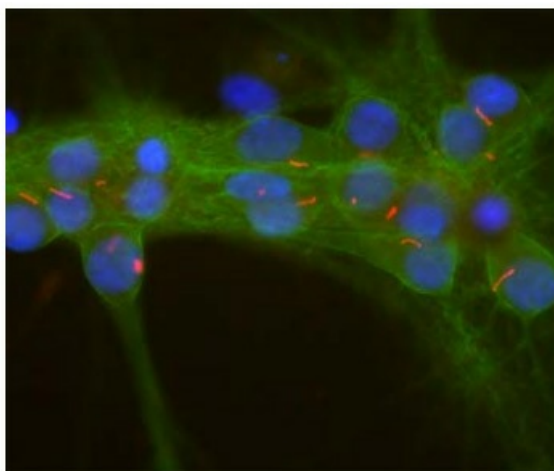
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Synonyms: ADCY3, KIAA0511, Adenylate cyclase type III, ATP pyrophosphate-lyase 3, Adenylyl cyclase 3

Product images:



Western blot of rat cortex lysate showing specific immunolabeling of the ~160k adenylate cyclase III protein.



Immunofluorescence of cultured rat neurons and glia showing strong staining of neuronal cilia using our anti-Adenylate Cyclase III Antibody (red) and axonal and dendritic staining of Alpha II Spectrin Antibody (Cat.-No [AM32996PU-N]) (green) revealing the submembraneous cytoskeleton and DNA (blue).