

ARG10771 anti-ADCY5 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ADCY5
Tested Reactivity	Hu, Ms, Rat
Tested Application	Confocal, Dot, ELISA, ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ADCY5
Species	Rat
Immunogen	Synthetic peptide from Rat ADCY5.
Conjugation	Un-conjugated
Alternate Names	FDFM; ATP pyrophosphate-lyase 5; AC5; Adenylate cyclase type V; Adenylate cyclase type 5; EC 4.6.1.1; Adenyl cyclase 5

Application Instructions

Application table	Application	Dilution
	Confocal	1:200 - 1:1000
	Dot	1:10000
	ELISA	1:10000
	ICC/IF	1:200 - 1:1000
	IHC-P	1:200 - 1:1000
	IP	1:200
	WB	1:500
	Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

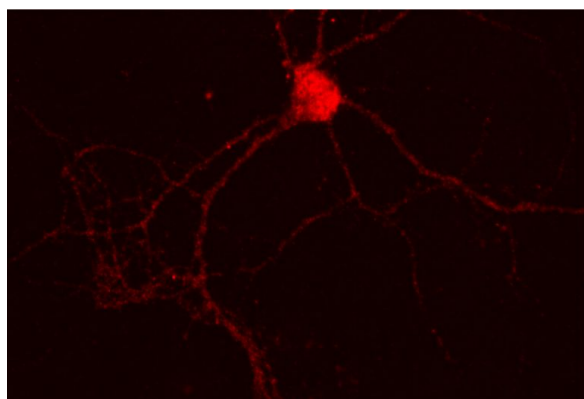
Form	Liquid
Purification	Affinity purified.
Buffer	Tris-Glycine Buffer (pH 7.4 - 7.8), Hepes, 0.02% Sodium azide, 30% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	30% Glycerol and 0.5% BSA

Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

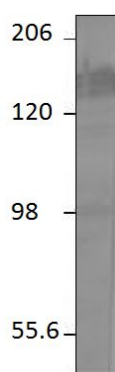
Gene Symbol	Adcy5
Gene Full Name	adenylate cyclase 5
Background	This gene encodes a member of the membrane-bound adenylyl cyclase enzymes. Adenylyl cyclases mediate G protein-coupled receptor signaling through the synthesis of the second messenger cAMP. Activity of the encoded protein is stimulated by the Gs alpha subunit of G protein-coupled receptors and is inhibited by protein kinase A, calcium and Gi alpha subunits. Single nucleotide polymorphisms in this gene may be associated with low birth weight and type 2 diabetes. Alternatively spliced transcript variants that encode different isoforms have been observed for this gene. [provided by RefSeq, Dec 2010]
Function	This is a membrane-bound, calcium-inhibitable adenylyl cyclase. [UniProt]
Calculated Mw	139 kDa
PTM	Phosphorylated by RAF1.

Images



ARG10771 anti-ADCY5 antibody ICC/IF image

Immunofluorescence: Rat striatal neurons stained with ARG10771 anti-ADCY5 antibody.



ARG10771 anti-ADCY5 antibody WB image

Western blot: Recombinant ADCY5 protein stained with ARG10771 anti-ADCY5 antibody at 1:500 dilution.