



A Cyclase V/VI rabbit pAb

Cat No.:ES4608

For research use only

Overview

Product Name	A Cyclase V/VI rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human ADCY5/6. AA range:931-980
Specificity	A Cyclase V/VI Polyclonal Antibody detects endogenous levels of A Cyclase V/VI protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Adenylate cyclase type 5/6
Gene Name	ADCY5/ADCY6
Cellular localization	Cell membrane ; Multi-pass membrane protein . Cell projection, cilium . Cell projection, stereocilium .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	112/111
Human Swiss-Prot Number	O43306/O95622
Alternative Names	ADCY6; KIAA0422; Adenylate cyclase type 6; ATP pyrophosphate-lyase 6; Adenylate cyclase type VI; Adenyl cyclase 6; Ca(2+)-inhibitable adenyl cyclase; ADCY5; Adenylate cyclase type 5; ATP pyrophosphate-lyase 5; Adenylate cyclase type V; This gene encodes a member of the adenyl cyclase

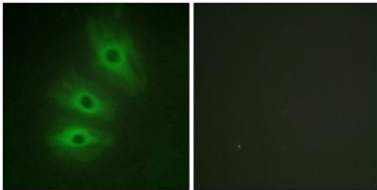
Background





family of proteins, which are required for the synthesis of cyclic AMP. All members of this family have an intracellular N-terminus, a tandem repeat of six transmembrane domains separated by a cytoplasmic loop, and a C-terminal cytoplasmic domain. The two cytoplasmic regions bind ATP and form the catalytic core of the protein. Adenylyl cyclases are important effectors of transmembrane signaling pathways and are regulated by the activity of G protein coupled receptor signaling. This protein belongs to a small subclass of adenylyl cyclase proteins that are functionally related and are inhibited by protein kinase A, calcium ions and nitric oxide. A mutation in this gene is associated with arthrogryposis multiplex congenita. [provided by RefSeq, May 2015],

Immunofluorescence analysis of HeLa cells, using ADCY5/6 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using ADCY5/6 Antibody. The picture on the right is blocked with the synthesized peptide.

