

A Cyclase V/VI Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP00054
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human ADCY5/6. AA range:931-980
Mol wt	138908
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	A Cyclase V/VI Antibody
Synonyms	ADCY6; KIAA0422; Adenylate cyclase type 6; ATP pyrophosphate-lyase 6; Adenylate cyclase type VI; Adenylyl cyclase 6; Ca(2+)-inhibitable adenylyl cyclase; ADCY5; Adenylate cyclase type 5; ATP pyrophosp

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

ADCY5 encodes a member (adenylate cyclase 5) 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 ADCY5.

Recommended Dilution

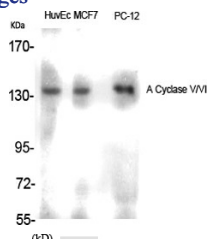
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

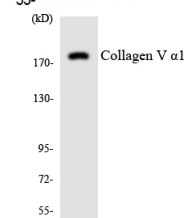
ELISA: 1: 20000

Not yet tested in other applications.

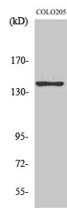
Images



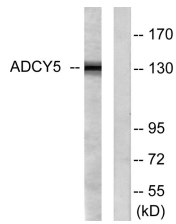
Western Blot analysis of various cells using A Cyclase V/VI Polyclonal Antibody



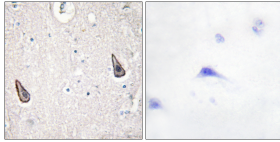
Western blot analysis of the lysates from HUVEC cells using Collagen V α 1 antibody.



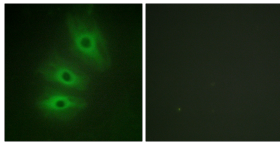
Western Blot analysis of COLO205 cells using A Cyclase V/VI Polyclonal Antibody



Western blot analysis of lysates from COLO205 cells, using ADCY5/6 Antibody. The lane 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.



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

Storage

-20°C for one year

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