

Adenylate Cyclase 5/6 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50965

Specification

Adenylate Cyclase 5/6 Antibody - Product Information

Application	WB
Primary Accession	O95622
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	139 KDa
Antigen Region	1031 - 1090

Adenylate Cyclase 5/6 Antibody - Additional Information

Gene ID 111

Other Names

Adenylate cyclase type 5, ATP pyrophosphate-lyase 5, Adenylate cyclase type V, Adenylyl cyclase 5, ADCY5

Target/Specificity

KLH conjugated synthetic peptide derived from human Adenylate Cyclase 5/6

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.1% Sodium azide, Glycerol 50%

Storage

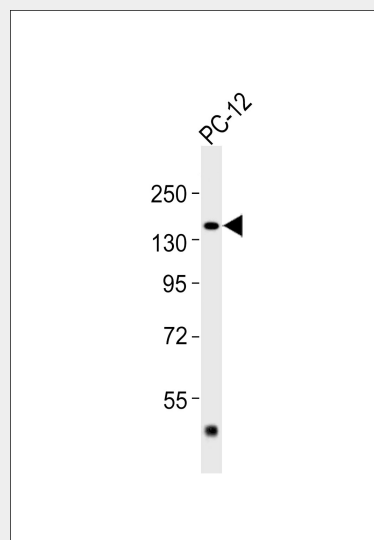
Store at -20 °C.Stable for 12 months from date of receipt

Adenylate Cyclase 5/6 Antibody - Protein Information

Name ADCY5

Function

Catalyzes the formation of the signaling molecule cAMP in response to G-protein signaling (PubMed:<a href="http://www.uni



Anti-Adenylate Cyclase 5/6 Antibody at 1:1000 dilution + PC-12 whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 139 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

Adenylate Cyclase 5/6 Antibody - Background

This is a membrane-bound, calcium-inhibitable adenylyl cyclase.

Adenylate Cyclase 5/6 Antibody - References

Ota T., et al. Nat. Genet. 36:40-45(2004).
Muzny D.M., et al. Nature 440:1194-1198(2006).
Ludwig M.G., et al. J. Recept. Signal Transduct. 22:79-110(2002).
Raimundo S., et al. Clin. Chim. Acta 285:155-161(1999).
Ding Q., et al. Mol. Pharmacol. 66:921-928(2004).

prot.org/citations/15385642"
target="_blank">15385642,
PubMed:<a href="http://www.uniprot.org/ci
tations/26206488"
target="_blank">26206488,
PubMed:<a href="http://www.uniprot.org/ci
tations/24700542"
target="_blank">24700542). Mediates
signaling downstream of ADRB1
(PubMed:<a href="http://www.uniprot.org/c
itations/24700542"
target="_blank">24700542).
Regulates the increase of free cytosolic
Ca(2+) in response to increased blood
glucose levels and contributes to the
regulation of Ca(2+)-dependent insulin
secretion (PubMed:<a href="http://www.uni
prot.org/citations/24740569"
target="_blank">24740569).

Cellular Location

Cell membrane; Multi-pass membrane
protein. Cell projection, cilium
{ECO:0000250|UniProtKB:P84309}

Tissue Location

Detected in pancreas islets (at protein
level). Detected in pancreas islets.

**Adenylate Cyclase 5/6 Antibody -
Protocols**

Provided below are standard protocols that you
may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)