

# ADCY9 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP50059

## Product Information

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Application	WB, IHC
Primary Accession	<a href="#">O60503</a>
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Calculated MW	150701

## Additional Information

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Gene ID	115
Other Names	Adenylate cyclase type 9, ATP pyrophosphate-lyase 9, Adenylate cyclase type IX, Adenylyl cyclase 9, ADCY9, KIAA0520
Dilution	WB~~ 1:1000 IHC~~1:50-1:100
Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.
Storage Conditions	-20°C

## Protein Information

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Name	ADCY9
Synonyms	KIAA0520
Function	Adenylyl cyclase that catalyzes the formation of the signaling molecule cAMP in response to activation of G protein-coupled receptors (PubMed: <a href="#">10987815</a> , PubMed: <a href="#">12972952</a> , PubMed: <a href="#">15879435</a> , PubMed: <a href="#">9628827</a> ). Contributes to signaling cascades activated by CRH (corticotropin-releasing factor), corticosteroids and beta-adrenergic receptors (PubMed: <a href="#">9628827</a> ).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Detected in skeletal muscle, pancreas, lung, heart, kidney, liver, brain and placenta (PubMed:10987815, PubMed:9628827) Expressed in multiple cells of the lung, with expression highest in airway smooth muscle (PubMed:12972952).

## Background

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May play a fundamental role in situations where fine interplay between intracellular calcium and cAMP determines the cellular function. May be a physiologically relevant docking site for calcineurin (By similarity).

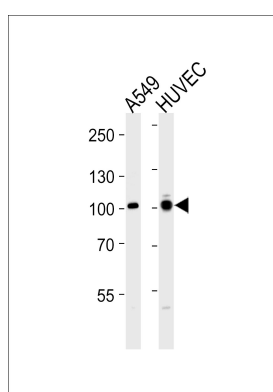
## References

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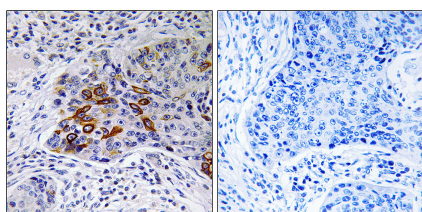
Hacker B.M.,et al.Genomics 50:97-104(1998).  
Small K.M.,et al.Pharmacogenetics 13:535-541(2003).  
Tantisira K.G.,et al.Hum. Mol. Genet. 14:1671-1677(2005).  
Paterson J.M.,et al.Submitted (FEB-1999) to the EMBL/GenBank/DDBJ databases.  
Toyota T.,et al.Submitted (MAR-2001) to the EMBL/GenBank/DDBJ databases.

## Images

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Western blot analysis of lysates from A549,HUVEC cell line (from left to right),using ADCY9 Antibody(C20506). C20506 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysates at 35ug per lane.



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using ADCY9 antibody.

## Citations

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- [ADCY9 functions as a novel cancer suppressor gene in lung adenocarcinoma](#)

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