



## Rabbit Anti-ADCY3 antibody

SL4021R

<b>Product Name:</b>	ADCY3
<b>Chinese Name:</b>	腺苷酸环化酶3抗体
<b>Alias:</b>	A cyclase III; AC3; adenylate cyclase 3; Adenylate cyclase type III; ADCY3_HUMAN; Adenylate cyclase type 3; ATP pyrophosphate-lyase 3; AC-III; Adenylate cyclase, olfactive type; AC3.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	126kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human ADCY3。:301-400/1144
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	The cAMP synthesizing enzymes are found in two forms: cytosolic (soluble) and membrane-bound (particulate). Stimulation of adenylate cyclases produce cAMP form ATP in response to the activation of GPCRs by various hormones, neurotransmitters and other regulatory molecules. cAMP, in subsequent steps down the signal

transduction pathway, can stimulate cAMP-dependent protein kinase A (cPKA), and several other target molecules. Activation of cPKA can phosphorylate a broad range of substrates that regulate various metabolic pathways, gene expression, and affect memory functions etc. The stimulation of adenylyl cyclases starts with interactions with GPCRs mediated signals initiated by Gs and Gi heterotrimeric G-proteins.

**Function:**

Mediates odorant detection (possibly) via modulation of intracellular cAMP concentration.

**Subcellular Location:**

Membrane; Multi-pass membrane protein.

**Tissue Specificity:**

Expressed in brain, heart, kidney, liver, lung, pancreas, placenta, and skeletal muscle.

**Similarity:**

Belongs to the adenylyl cyclase class-4/guanylyl cyclase family.  
Contains 2 guanylate cyclase domains.

**SWISS:**

O60266

**Gene ID:**

109

**Database links:**

[Entrez Gene: 109](#)Human

[Entrez Gene: 104111](#)Mouse

[Entrez Gene: 64508](#)Rat

[Omim: 600291](#)Human

[SwissProt: O60266](#)Human

[SwissProt: Q8VHH7](#)Mouse

[SwissProt: P21932](#)Rat

[Unigene: 727540](#)Human

[Unigene: 70546](#)Mouse

[Unigene: 87800](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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