

## Product datasheet for **TA349673S**

### ADCY3 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Lovo cells and human fetal brain tissue IHC: 50-200 Positive control: Human colon cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human ADCY3
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	129 kDa
Gene Name:	adenylate cyclase 3
Database Link:	<a href="#">NP_004027</a> <a href="#">Entrez Gene 64508 Rat</a> <a href="#">Entrez Gene 109 Human</a> <a href="#">O60266</a>

**Background:** This gene encodes adenylyl cyclase 3 which is a membrane-associated enzyme and catalyzes the formation of the secondary messenger cyclic adenosine monophosphate (cAMP). This protein appears to be widely expressed in various human tissues and may be involved in a number of physiological and pathophysiological metabolic processes.

**Synonyms:** AC-III; AC3

**Protein Families:** Druggable Genome, Transmembrane



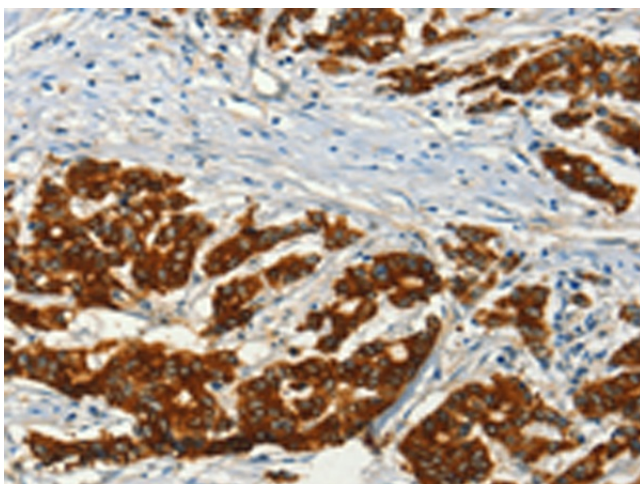
[View online »](#)

**Protein Pathways:**

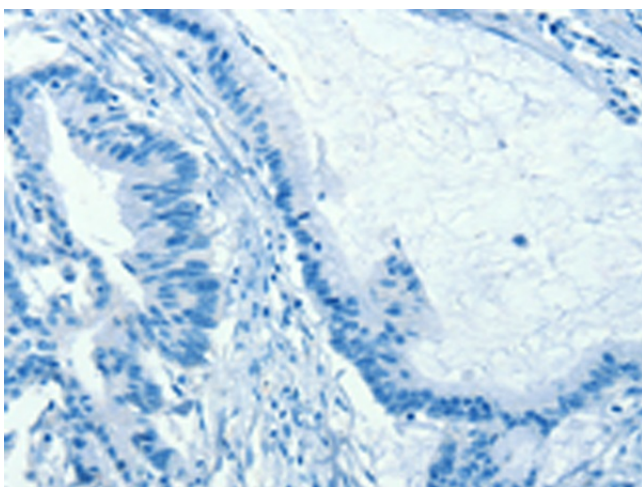
Calcium signaling pathway, Chemokine signaling pathway, Dilated cardiomyopathy, Gap junction, GnRH signaling pathway, Melanogenesis, Olfactory transduction, Oocyte meiosis, Progesterone-mediated oocyte maturation, Purine metabolism, Vascular smooth muscle contraction, Vibrio cholerae infection

**Product images:**

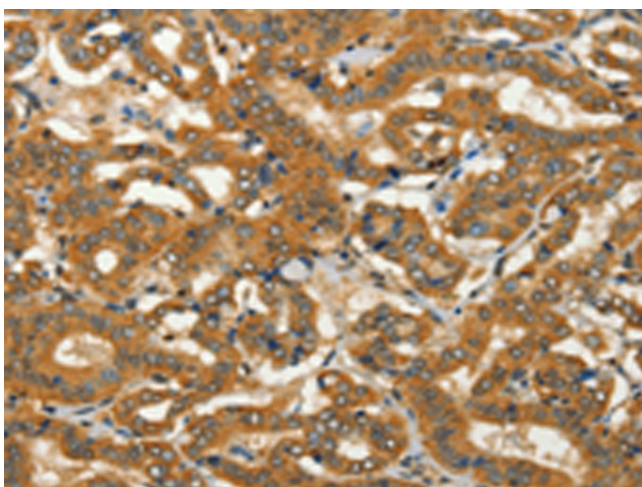
Gel: 6%SDS-PAGE  
Lysate: 40  $\mu$ g  
Lane 1-2: Lovo cells  
human fetal brain tissue  
Primary antibody: [TA349673] (ADCY3 Antibody)  
at dilution 1/312.5  
Secondary antibody: Goat anti rabbit IgG at  
1/8000 dilution  
Exposure time: 5 minutes



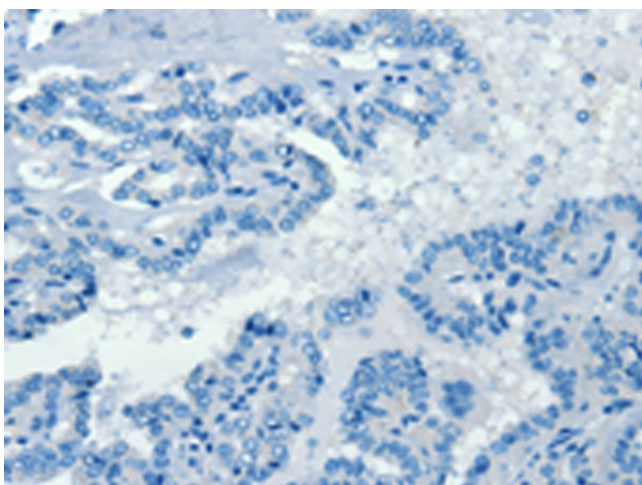
Immunohistochemistry of paraffin-embedded  
Human colon cancer tissue using [TA349673]  
(ADCY3 Antibody) at dilution 1/50 (Original  
magnification:  $\times$ 200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA349673] (ADCY3 Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA349673] (ADCY3 Antibody) at dilution 1/50 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA349673] (ADCY3 Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: ×200)