

Datasheet for ABIN6257665  
**anti-ADCY3 antibody (C-Term)**[Go to Product page](#)

## 2 Images

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | ADCY3  |
| Binding Specificity: | C-Term   |
| Reactivity:          | Human, Rat, Mouse  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This ADCY3 antibody is un-conjugated                     |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), ELISA |

## Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | A synthesized peptide derived from human ADCY3, corresponding to a region within C-terminal amino acids.                  |
| Isotype:              | IgG   |
| Specificity:          | ADCY3 Antibody detects endogenous levels of total ADCY3.  |
| Predicted Reactivity: | Pig,Bovine,Horse,Sheep,Rabbit,Dog,Chicken,Xenopus   |
| Purification:         | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |

## Target Details

|         |       |
|---------|-------|
| Target: | ADCY3 |
|---------|-------|

## Target Details

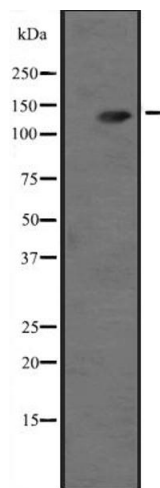
|                   |   |
|-------------------|---|
| Alternative Name: | ADCY3 ( <a href="#">ADCY3 Products</a> )  |
| Background:       | <p>Description: Catalyzes the formation of the signaling molecule cAMP in response to G-protein signaling. Participates in signaling cascades triggered by odorant receptors via its function in cAMP biosynthesis. Required for the perception of odorants. Required for normal sperm motility and normal male fertility. Plays a role in regulating insulin levels and body fat accumulation in response to a high fat diet.</p> <p>Gene: ADCY3</p> |
| Molecular Weight: | 129 kDa   |
| Gene ID:          | 109   |
| UniProt:          | <a href="#">O60266</a>  |
| Pathways:         | <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Thyroid Hormone Synthesis</a> , <a href="#">cAMP Metabolic Process</a> , <a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">G-protein mediated Events</a> , <a href="#">Interaction of EGFR with phospholipase C-gamma</a>   |

## Application Details

|                    |   |
|--------------------|---|
| Application Notes: | WB 1:500-1:2000, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000 |
| Restrictions:      | For Research Use only   |

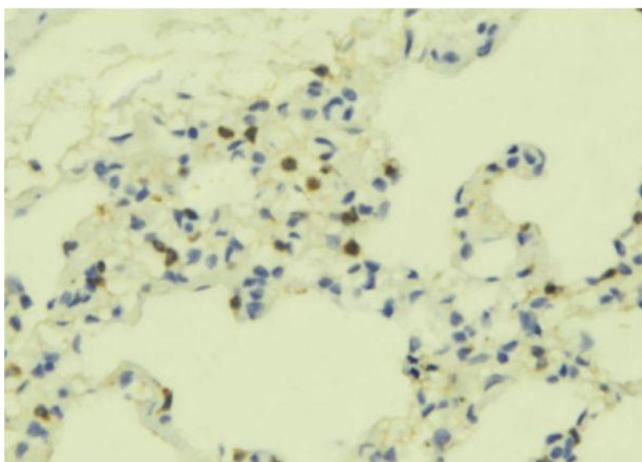
## Handling

|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Concentration:     | 1 mg/mL  |
| Buffer:            | Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.                   |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C   |
| Expiry Date:       | 12 months  |



### Western Blotting

**Image 1.** Western blot analysis of ADCY3 expression in Rat olfactory epithelium lysate; Rat frontal cortex lysate, The lane on the left is treated with the antigen-specific peptide.



### Immunohistochemistry

**Image 2.** ABIN6273501 at 1/100 staining Mouse lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.