

## Anti-ADCY5 Polyclonal Antibody

## Product Details

|                   |   |
|-------------------|---|
| Ig Type:          | IgG   |
| Reactivity:       | Mouse,Rat (predicted:Human,Pig,Cow,Horse,Sheep) |
| Molecular Weight: | Theoretical: 139 kDa. Actual: 139 kDa.          |
| Purification:     | Protein A purified                              |

## Applications

|                    |   |
|--------------------|---|
| Verified Activity: | Sample:<br>Pancreas (Mouse) Lysate at 40 µg<br>Primary: Anti-ADCY5 (TMAB-02318) at 1/1000 dilution<br>Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution<br>Predicted band size: 139 kD<br>Observed band size: 139 kD |
| Application:       | WB  |
| Recommended        | WB: 1:500-2000  |

## Properties

|                      |   |
|----------------------|---|
| Stability & Storage: | Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping:            | Shipping with blue ice.   |

## Antigen Details

|                  |   |
|------------------|---|
| Immunogen:       | KLH conjugated synthetic peptide: human ADCY5 |
| Antigen Species: | Human   |
| Gene ID:         | 111   |
| Uniprot ID:      | O95622  |

## Research Background

This gene encodes a member of the membrane-bound adenylyl cyclase enzymes. Adenylyl cyclases mediate G protein-coupled receptor signaling through the synthesis of the second messenger cAMP. Activity of the encoded protein is stimulated by the Gs alpha subunit of G protein-coupled receptors and is inhibited by protein kinase A, calcium and Gi alpha subunits. Single nucleotide polymorphisms in this gene may be associated with low birth weight and type 2 diabetes. Alternatively spliced transcript variants that encode different isoforms have been observed for this gene. [provided by RefSeq, Dec 2010].

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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