



# ADCY5 mouse mAb

Catalog No	BYmab-12075
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	ADCY5
Protein Name	ADCY5
Immunogen	Synthesized peptide derived from human ADCY5 AA range: 471-521
Specificity	This antibody detects endogenous levels of ADCY5 at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Cell Pathway	Cell membrane ; Multi-pass membrane protein. Cell projection, cilium .
Tissue Specificity	Detected in pancreas islets (at protein level). Detected in pancreas islets.
Function	catalytic activity:ATP = 3',5'-cyclic AMP + diphosphate.,cofactor:binds 2 magnesium ions per subunit.,enzyme regulation:Inhibition by calcium in the submicromolar concentration range.,function:This is a membrane-bound, calcium-inhibitable adenylyl cyclase.,similarity:Belongs to the adenylyl cyclase class-4/guanylyl cyclase family.,similarity:Contains 2 guanylate cyclase domains.,
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

Nanjing BYabscience technology Co.,Ltd



diabetes. Alternatively spliced transcript variants that encode different isoforms have been observed for this gene. [provided by RefSeq, Dec 2010],

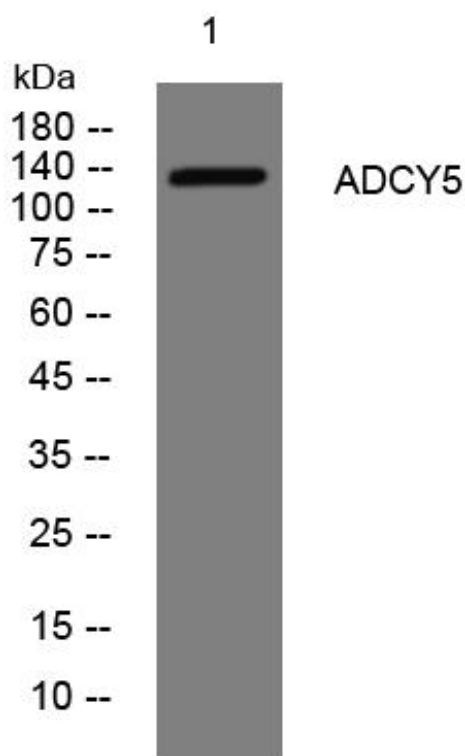
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using ADCY5 mouse mAb