Anti-ADCY5 antibody

Cat. No.	ml161242
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-ADCY5 rabbit polyclonal antibody
Applications	ELISA, IHC
Immunogen	Synthetic peptide of human ADCY5
Reactivity	Human, Mouse, Rat
Content	0.3 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	ADCY5
Full name	adenylate cyclase 5
Synonyms	AC5; FDFM
Swissprot	O95622

Target 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.
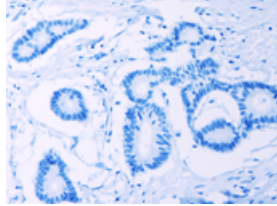
Applications

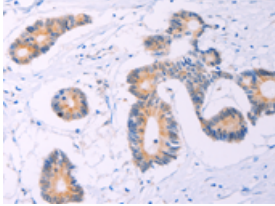**Immunohistochemistry**

Predicted cell location: Cytoplasm

Positive control: Human colon cancer

Recommended dilution: 25-100

Predicted cell location: Cytoplasm

Positive control: Human thyroid cancer
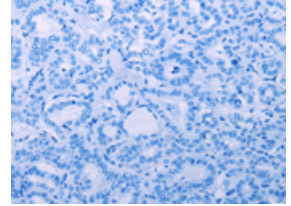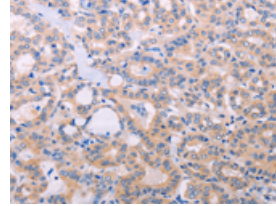
Recommended dilution: 25-100

The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using ml161242(ADCY5 Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: ×200)

The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml161242(ADCY5 Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: ×200)

ELISA

Recommended dilution: 2000-5000

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