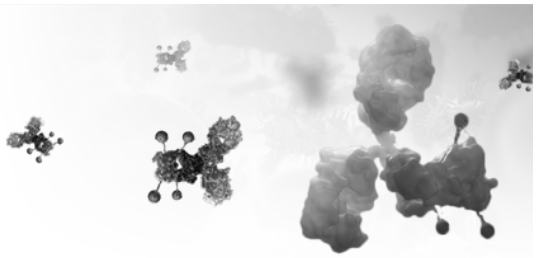

Mouse anti-Human ADCY5 monoclonal antibody, clone 4F7 (CABT-B9728)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	ADCY5 (NP_899200, 1152 a.a. ~ 1262 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	4F7
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	ADFAMKLMDQMKYINEHSFNNFQMKIGLNIGPVVAGVIGARKPQYDIWGNTVNVASRMDS TGVPDRIQVTTDMYQVLAANTYQLECRGVVKVKGKGEMMTYFLNGGPPLS*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	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

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	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]
Keywords	ADCY5; adenylate cyclase 5; AC5; FDFM; adenylate cyclase type 5; adenylyl cyclase 5; adenylate cyclase type V; ATP pyrophosphate-lyase 5;

GENE INFORMATION

Entrez Gene ID	111
UniProt ID	B7Z8A6
Pathway	Activation of GABAB receptors, organism-specific biosystem; Adenylate cyclase activating pathway, organism-specific biosystem; Adenylate cyclase inhibitory pathway, organism-specific biosystem; Aquaporin-mediated transport, organism-specific biosystem; Bile secretion, organism-specific biosystem; Bile secretion, conserved biosystem
Function	ATP binding; calcium- and calmodulin-responsive adenylate cyclase activity; metal ion binding; nucleotide binding

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