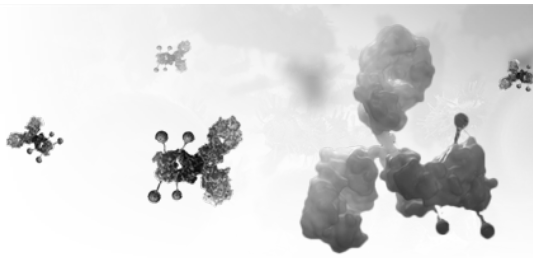

Mouse anti-Human ADCY2 monoclonal antibody, clone 2E5 (CABT-B9727)

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

PRODUCT INFORMATION

Immunogen	ADCY2 (NP_065433, 977 a.a. ~ 1087 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	2E5
Conjugate	Unconjugated
Applications	sELISA,ELISA
Sequence Similarities	GKLDAINKHSFNDFKLRVGINHGPVIAGVIGAQKPQYDIWGNTVNVASRMDSTGVLDKIQ VTEETSLVLQTLGYTCTCRGIINVKGKGDLKTYFVNTEMSRSLSQSNVAS*
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 family of adenylate cyclases, which are membrane-associated enzymes that catalyze the formation of the secondary messenger cyclic adenosine

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	monophosphate (cAMP). This enzyme is insensitive to Ca(2+)/calmodulin, and is stimulated by the G protein beta and gamma subunit complex. [provided by RefSeq, Jul 2008]
Keywords	ADCY2; adenylate cyclase 2 (brain); AC2; HBAC2; adenylate cyclase type 2; adenylyl cyclase 2; adenylate cyclase II; ATP pyrophosphate-lyase 2; adenylate cyclase type II; type II adenylate cyclase; 3,5-cyclic AMP synthetase;

GENE INFORMATION

Entrez Gene ID	108
UniProt ID	Q71UM8
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; G-protein beta/gamma-subunit complex binding; adenylate cyclase activity; calcium- and calmodulin-responsive adenylate cyclase activity; metal ion binding; nucleotide binding

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