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# Datasheet for ABIN513117 anti-ADCY2 antibody (AA 977-1086)

2 Images



### Overview

Quantity:	100 µg
Target:	ADCY2
Binding Specificity:	AA 977-1086
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ADCY2 antibody is un-conjugated
Application:	ELISA, Proximity Ligation Assay (PLA)

# Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant ADCY2.
Immunogen:	ADCY2 (NP_065433, 977 a.a. ~ 1086 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	GKLDAINKHS FNDFKLRVGI NHGPVIAGVI GAQKPQYDIW GNTVNVASRM DSTGVLDKIQ VTEETSLVLQ TLGYTCTCRG IINVKGKGDL KTYFVNTEMS RSLSQSNVAS
Clone:	1D4
lsotype:	lgG2b
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

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## Target Details

Target:	ADCY2
Alternative Name:	ADCY2 (ADCY2 Products)
Background:	Full Gene Name: adenylate cyclase 2 (brain)
	Synonyms: AC2,FLJ16822,FLJ45092,HBAC2,KIAA1060,MGC133314
Gene ID:	108
NCBI Accession:	NM_020546
Pathways:	EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Thyroid Hormone Synthesis, cAMP
	Metabolic Process, Myometrial Relaxation and Contraction, G-protein mediated Events,
	Interaction of EGFR with phospholipase C-gamma
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C

## Images

Storage Comment:



# ELISA

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Image 1.** Detection limit for recombinant GST tagged ADCY2 is approximately 1ng/ml as a capture antibody.



#### **Proximity Ligation Assay**

**Image 2.** Proximity Ligation Analysis of protein-protein interactions between GNAS and ADCY2. HeLa cells were stained with anti-GNAS rabbit purified polyclonal 1:1200 and anti-ADCY2 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

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