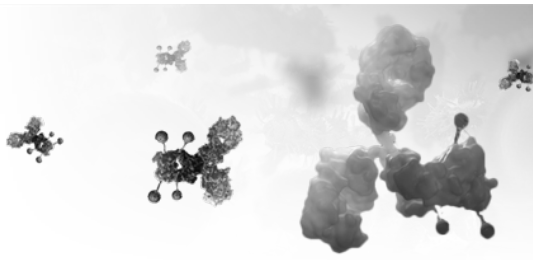

Anti-ADCY8 monoclonal antibody (DCABH-10423)

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

PRODUCT INFORMATION

Antigen Description	Adenylate cyclase is a membrane bound enzyme that catalyses the formation of cyclic AMP from ATP. The enzymatic activity is under the control of several hormones, and different polypeptides participate in the transduction of the signal from the receptor to the catalytic moiety. Stimulatory or inhibitory receptors (Rs and Ri) interact with G proteins (Gs and Gi) that exhibit GTPase activity and they modulate the activity of the catalytic subunit of the adenylyl cyclase
Immunogen	A synthetic peptide of human ADCY8 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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GENE INFORMATION

Gene Name	ADCY8 adenylate cyclase 8 (brain) [Homo sapiens]
Official Symbol	ADCY8
Synonyms	ADCY8; adenylate cyclase 8 (brain); ADCY3; adenylate cyclase type 8; AC8; HBAC1; adenylyl cyclase 8; ATP pyrophosphate-lyase 8; adenylyl cyclase-8, brain; adenylate cyclase type VIII; ca(2+)/calmodulin-activated adenylyl cyclase;
Entrez Gene ID	114
Protein Refseq	NP_001106
UniProt ID	P40145
Chromosome Location	8q24
Pathway	Activation of GABAB receptors, organism-specific biosystem; Activation of NMDA receptor upon glutamate binding and postsynaptic events, 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; GTPase activity; adenylate cyclase activity; calcium- and calmodulin-responsive adenylate cyclase activity; metal ion binding; nucleotide binding;

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