



Mouse anti-Human GNG5 monoclonal antibody, clone 4C9 (CABT-B10348)

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

PRODUCT INFORMATION

Immunogen	GNG5 (AAH03563, 1 a.a. ~ 69 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	4C9
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	MSGSSSVAAMKKVVQQLRLEAGLNRVKVSQAAADLKQFCLQNAQHDPLLTGVSSSTNPFR PQKVCNFL*
Format	Liquid
Concentration	Lot specific
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	G proteins are trimeric (alpha-beta-gamma) membrane-associated proteins that regulate flow of information from cell surface receptors to a variety of internal metabolic effectors. Interaction of a G protein with its activated receptor promotes exchange of GTP for GDP that is bound to the alpha subunit. The alpha-GTP complex dissociates from the beta-gamma heterodimer so that the subunits, in turn, may interact with and regulate effector molecules (Gilman, 1987 [PubMed 3113327]; summary by Ahmad et al., 1995) [PubMed 7606925].[supplied by OMIM, Nov 2010]
Keywords	GNG5; guanine nucleotide binding protein (G protein), gamma 5; guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-5;

GENE INFORMATION

Entrez Gene ID	2787
UniProt ID	P63218
Pathway	ADP signalling through P2Y purinoceptor 1, organism-specific biosystem; ADP signalling through P2Y purinoceptor 12, organism-specific biosystem; Activation of G protein gated Potassium channels, organism-specific biosystem; Activation of GABAB receptors, organism-specific biosystem; Activation of Kainate Receptors upon glutamate binding, organism-specific biosystem; Aquaporin-mediated transport, organism-specific biosystem
Function	GTPase activity; signal transducer activity