

GNGT2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant GNGT2.

Catalog # AT2233a

Product Information

Application	WB, E
Primary Accession	O14610
Other Accession	BC008663
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	1G11-C7
Calculated MW	7747

Additional Information

Gene ID	2793
Other Names	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-T2, G gamma-C, G-gamma-8, G-gamma-9, Guanine nucleotide binding protein gamma transducing activity polypeptide 2, GNGT2, GNG8, GNG9, GNGT8
Target/Specificity	GNGT2 (AAH08663, 1 a.a. ~ 69 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	GNGT2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

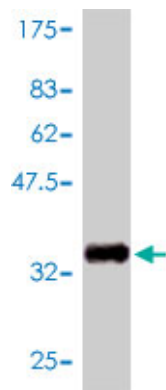
Phototransduction in rod and cone photoreceptors is regulated by groups of signaling proteins. The encoded protein is thought to play a crucial role in cone phototransduction. It belongs to the G protein gamma family and localized specifically in cones. There is evidence for use of multiple polyadenylation sites by this gene.

References

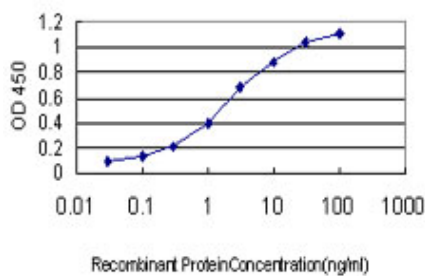
beta-Arrestin1 interacts with the G-protein subunits beta1gamma2 and promotes beta1gamma2-dependent

Akt signalling for NF-kappaB activation. Yang M, et al. Biochem J, 2009 Jan 1. PMID 18729826. The molecular basis for T-type Ca²⁺ channel inhibition by G protein beta2gamma2 subunits. DePuy SD, et al. Proc Natl Acad Sci U S A, 2006 Sep 26. PMID 16973746. The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334. Mapping the Gbetagamma-binding sites in GIRK1 and GIRK2 subunits of the G protein-activated K⁺ channel. Ivanina T, et al. J Biol Chem, 2003 Aug 1. PMID 12743112. Activation of heterotrimeric G proteins by a high energy phosphate transfer via nucleoside diphosphate kinase (NDPK) B and Gbeta subunits. Complex formation of NDPK B with Gbeta gamma dimers and phosphorylation of His-266 IN Gbeta. Cuello F, et al. J Biol Chem, 2003 Feb 28. PMID 12486123.

Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (33.33 KDa) .



Detection limit for recombinant GST tagged GNGT2 is approximately 0.03ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.