

GNG2 Antibody (monoclonal) (M03)**Mouse monoclonal antibody raised against a full length recombinant GNG2.****Catalog # AT2229a****Specification**

GNG2 Antibody (monoclonal) (M03) - Product Information

Application	WB
Primary Accession	P59768
Other Accession	BC020774
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	7850

GNG2 Antibody (monoclonal) (M03) - Additional Information**Gene ID** 54331**Other Names**

Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-2, G gamma-I, GNG2

Target/Specificity

GNG2 (AAH20774, 1 a.a. ~ 71 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

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

GNG2 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

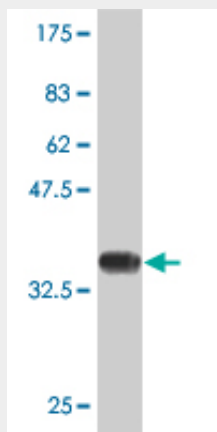
GNG2 Antibody (monoclonal) (M03) - Protocols

Provided below are standard protocols that you may find useful for product applications.

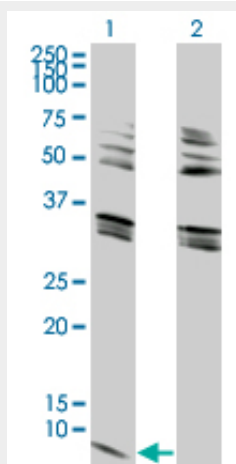
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GNG2 Antibody (monoclonal) (M03) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (33.55 kDa) .



Western Blot analysis of GNG2 expression in transfected 293T cell line by GNG2 monoclonal antibody (M03), clone 4C8.

Lane 1: GNG2 transfected lysate (7.9 kDa).
Lane 2: Non-transfected lysate.

GNG2 Antibody (monoclonal) (M03) - Background

Heterotrimeric G proteins play vital roles in cellular responses to external signals. The specificity of a G protein-receptor interaction is primarily mediated by the gamma subunit.

GNG2 Antibody (monoclonal) (M03) - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolidinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086. Differential regulation of phospholipase

C-beta2 activity and membrane interaction by Galphaq, Gbeta1gamma2, and Rac2. Gutman O, et al. J Biol Chem, 2010 Feb 5. PMID 20007712. Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121. Dissociation of heterotrimeric g proteins in cells. Lambert NA. Sci Signal, 2008 Jun 24. PMID 18577758. Reviews in molecular biology and biotechnology: transmembrane signaling by G protein-coupled receptors. Luttrell LM. Mol Biotechnol, 2008 Jul. PMID 18240029.