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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

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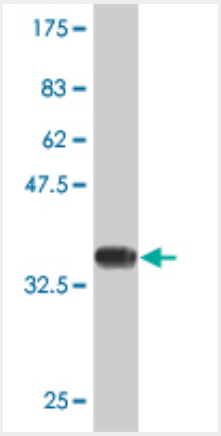
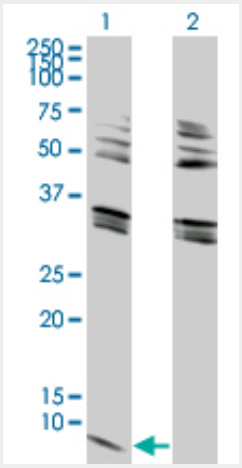
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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 Thiazolinedinedione-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.