

**GNG2 Antibody (N-Term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21903a****Specification**

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**GNG2 Antibody (N-Term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">P59768</a>
Other Accession	<a href="#">P63212</a> , <a href="#">P63213</a> , <a href="#">Q5R7U4</a>
Reactivity	Human, Mouse
Predicted	Bovine
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	7850
Antigen Region	19-52

**GNG2 Antibody (N-Term) - 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**

This GNG2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 19-52 amino acids from of human GNG2.

**Dilution**

WB~~1:8000

IHC-P~~1:25

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

GNG2 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**GNG2 Antibody (N-Term) - Protein Information****Name** GNG2



**Function** Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer in various transmembrane signaling systems (PubMed:[29925951](#), PubMed:[33762731](#), PubMed:[34239069](#), PubMed:[35610220](#), PubMed:[35714614](#), PubMed:[35835867](#), PubMed:[36087581](#), PubMed:[36989299](#), PubMed:[37327704](#), PubMed:[37935376](#), PubMed:[37935377](#), PubMed:[37963465](#), PubMed:[38168118](#), PubMed:[38552625](#)). The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction (PubMed:[29925951](#), PubMed:[33762731](#), PubMed:[34239069](#), PubMed:[35610220](#), PubMed:[35714614](#), PubMed:[35835867](#), PubMed:[36087581](#), PubMed:[36989299](#), PubMed:[37327704](#), PubMed:[37935376](#), PubMed:[37935377](#), PubMed:[37963465](#), PubMed:[38168118](#), PubMed:[38552625](#)).

#### Cellular Location

Cell membrane; Lipid-anchor; Cytoplasmic side

#### Tissue Location

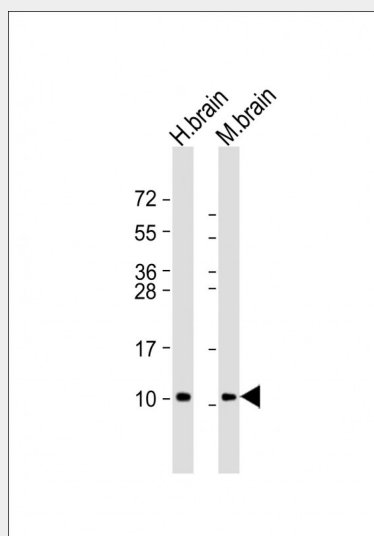
Expressed in fetal tissues, including testis, adrenal gland, brain, white blood cells and brain

### GNG2 Antibody (N-Term) - Protocols

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

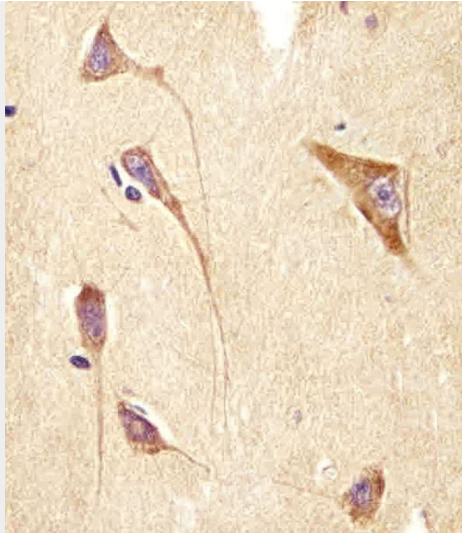
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### GNG2 Antibody (N-Term) - Images



All lanes : Anti-GNG2 Antibody (N-Term) at 1:8000 dilution Lane 1: human brain lysate Lane 2: mouse brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 8 kDa Blocking/Dilution buffer: 5% NFD/MTBST.





AP21903a staining GNG2 in human brain tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hour at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

#### **GNG2 Antibody (N-Term) - Background**

Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer in various transmembrane signaling systems. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein- effector interaction (By similarity).

#### **GNG2 Antibody (N-Term) - References**

Modarressi M.H., et al. Biochem. Biophys. Res. Commun. 272:610-615(2000).  
Puhl H.L. III, et al. Submitted (MAR-2002) to the EMBL/GenBank/DDBJ databases.  
Bechtel S., et al. BMC Genomics 8:399-399(2007).  
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.  
Gauci S., et al. Anal. Chem. 81:4493-4501(2009).