10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

GNG12 Antibody (C-Term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21906b

Specification

GNG12 Antibody (C-Term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q9UBI6
Other Accession	Q28024, Q9DAS9, Q5RBQ0
Reactivity	**Human, Mouse**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**37-68**

GNG12 Antibody (C-Term) - Additional Information

Gene ID 55970

Other Names
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-12, GNG12

Target/Specificity
This GNG12 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 37-68 amino acids from human GNG12.

Dilution
WB~~1:2000
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
GNG12 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

GNG12 Antibody (C-Term) - Protein Information

Name GNG12

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Function 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.

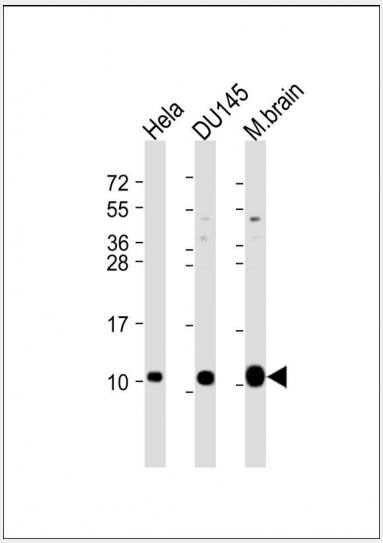
Cellular Location
Cell membrane; Lipid-anchor; Cytoplasmic side

GNG12 Antibody (C-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 Cytomety
- Cell Culture

GNG12 Antibody (C-Term) - Images



All lanes : Anti-GNG12 Antibody (C-Term) at 1:2000 dilution Lane 1: Hela whole cell lysate Lane 2: DU145 whole cell lysate Lane 3: 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% NFDM/TBST.

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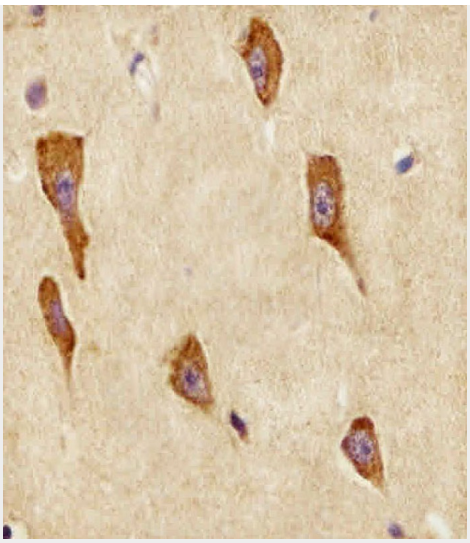

AP21906b staining GNG12 in human brain tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

GNG12 Antibody (C-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.

GNG12 Antibody (C-Term) - References

Hurowitz E.H.,et al.DNA Res. 7:111-120(2000).
Yang L.,et al.Submitted (JAN-1999) to the EMBL/GenBank/DDBJ databases.
Hu R.-M.,et al.Proc. Natl. Acad. Sci. U.S.A. 97:9543-9548(2000).
Cook L.A.,et al.Protein Sci. 10:2548-2555(2001).
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