

GNB4 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19123c**Specification**

GNB4 Antibody (Center) - Product Information

| | |
|-------------------|---|
| Application | WB,E |
| Primary Accession | O9HAV0 |
| Other Accession | O35353 , P29387 , P79959 , P54311 , P62874 , P62873 , P26308 , Q6PH57 , Q6TMK6 , P62871 , NP_067642.1 |
| Reactivity | Human |
| Predicted | Bovine, Hamster, Zebrafish, Drosophila, Mouse, Rat, Xenopus |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Calculated MW | 37567 |
| Antigen Region | 109-138 |

GNB4 Antibody (Center) - Additional Information**Gene ID** 59345**Other Names**

Guanine nucleotide-binding protein subunit beta-4, Transducin beta chain 4, GNB4

Target/Specificity

This GNB4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 109-138 amino acids from the Central region of human GNB4.

Dilution

WB~~1:1000

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

GNB4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

GNB4 Antibody (Center) - Protein Information

Name GNB4

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.

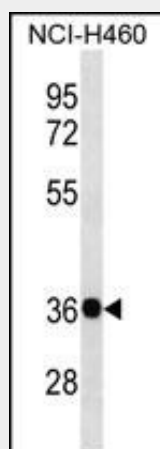
Tissue Location

Strongly expressed in lung and placenta, whereas it is weakly expressed in brain and heart. Abundantly expressed in the axons and Schwann cells of peripheral nerves

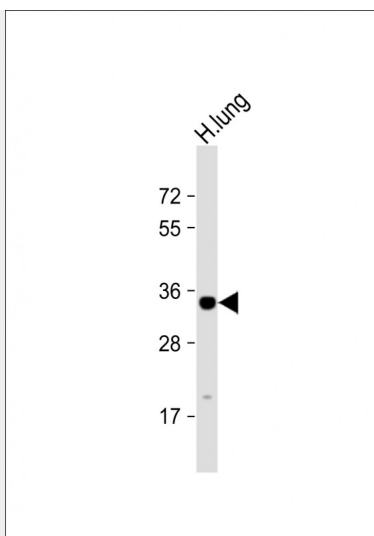
GNB4 Antibody (Center) - Protocols

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](#)

GNB4 Antibody (Center) - Images

GNB4 Antibody (Center) (Cat. #AP19123c) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the GNB4 antibody detected the GNB4 protein (arrow).



Anti-GNB4 Antibody (Center) at 1:1000 dilution + human lung lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 38 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

GNB4 Antibody (Center) - Background

Heterotrimeric guanine nucleotide-binding proteins (G proteins), which integrate signals between receptors and effector proteins, are composed of an alpha, a beta, and a gamma subunit. These subunits are encoded by families of related genes. This gene encodes a beta subunit. Beta subunits are important regulators of alpha subunits, as well as of certain signal transduction receptors and effectors.

GNB4 Antibody (Center) - References

Riemann, K., et al. Anticancer Res. 29(4):1271-1274(2009)
Riemann, K., et al. Pharmacogenet. Genomics 18(11):999-1008(2008)
Lamesch, P., et al. Genomics 89(3):307-315(2007)
Roskopf, D., et al. FEBS Lett. 544 (1-3), 27-32 (2003) :
Jiang, G., et al. Am. J. Physiol. Endocrinol. Metab. 284 (4), E671-E678 (2003) :