10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GNB4 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19123c

Specification

GNB4 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q9HAV0
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
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
GNB4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

GNB4 Antibody (Center) - Protein Information

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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.

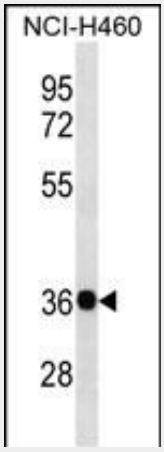
Tissue Location
Strongly expressed in lung and placenta, whereas it is weakly expressed in brain and heart. Abundantly expressed in the axons and Schwann cells of peripheral nerves

GNB4 Antibody (Center) - Protocols

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

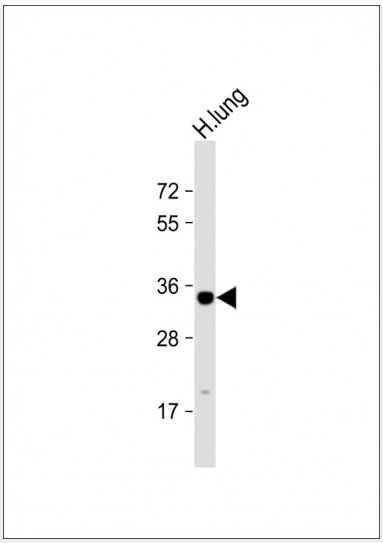
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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).

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



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)
Rosskopf, 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) :