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

GNB1L Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP8967c

Specification

GNB1L Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q9BYB4

GNB1L Antibody (Center) Blocking Peptide - Additional Information

Gene ID 54584

Other Names
Guanine nucleotide-binding protein subunit beta-like protein 1, G protein subunit beta-like protein 1, DGCRK3, WD repeat-containing protein 14, WD40 repeat-containing protein deleted in VCFS, WDVCF, GNB1L, GY2, KIAA1645, WDR14

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP8967c was selected from the Center region of human GNB1L. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GNB1L Antibody (Center) Blocking Peptide - Protein Information

Name GNB1L (HGNC:4397)

Synonyms GY2, KIAA1645, WDR14

Function
Acts as a critical regulator of DNA damage response (DDR) signaling via specifically regulating phosphatidylinositol 3-kinase- related protein kinase (PIKK) family proteins.

Cellular Location
Cytoplasm. Nucleus. Note=Localizes mainly in cytosol and to a lesser extent in the nucleus.

Tissue Location
Ubiquitous. Highly expressed in heart, liver, skeletal muscle, kidney, spleen, thymus and pancreas.

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

Detected at low levels in lung, placenta and brain.

GNB1L Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

GNB1L Antibody (Center) Blocking Peptide - Images

GNB1L Antibody (Center) Blocking Peptide - Background

GNB1L is a G-protein beta-subunit-like polypeptide which is a member of the WD repeat protein family. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-asp (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. This protein contains 6 WD repeats and is highly expressed in the heart.

GNB1L Antibody (Center) Blocking Peptide - References

Funke,B., et.al., Genomics 73 (3), 264-271 (2001)Collins,J.E., et.al., Genome Biol. 5 (10), R84 (2004)