

**GNB1L Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8967c****Specification**

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**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](/products/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.

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-aspartate (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)