

**GNAS Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6865c****Specification**

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**GNAS Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q5JWF2](#)**GNAS Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 2778**Other Names**

Guanine nucleotide-binding protein G(s) subunit alpha isoforms XLas, Adenylate cyclase-stimulating G alpha protein, Extra large alphas protein, XLalphas, GNAS, GNAS1 {ECO:0000303|PubMed:9707596}

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6865c](/products/AP6865c) was selected from the Center region of human GNAS. 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.

**GNAS Antibody (Center) Blocking Peptide - Protein Information****Name** GNAS**Synonyms** GNAS1 {ECO:0000303|PubMed:9707596}**Function**

Guanine nucleotide-binding proteins (G proteins) function as transducers in numerous signaling pathways controlled by G protein- coupled receptors (GPCRs). Signaling involves the activation of adenylyl cyclases, resulting in increased levels of the signaling molecule cAMP. GNAS functions downstream of several GPCRs, including beta-adrenergic receptors. XLas isoforms interact with the same set of receptors as GNAS isoforms (By similarity).

**Cellular Location**

Cell membrane; Peripheral membrane protein {ECO:0000250|UniProtKB:Q63803}. Apical cell

membrane

### **GNAS Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **GNAS Antibody (Center) Blocking Peptide - Images**

### **GNAS Antibody (Center) Blocking Peptide - Background**

Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. The G(s) protein is involved in hormonal regulation of adenylate cyclase: it activates the cyclase in response to beta-adrenergic stimuli. XLas isoforms interact with the same set of receptors as Gnas isoforms.

### **GNAS Antibody (Center) Blocking Peptide - References**

Liu,C., et.al., Eur Arch Otorhinolaryngol (2009)Nishihara,E., et.al., Endocr. J. 56 (6), 791-798 (2009)