

**GMPS Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8613c****Specification**

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**GMPS Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [P49915](#)

**GMPS Antibody (Center) Blocking Peptide - Additional Information**

**Gene ID** 8833

**Other Names**

GMP synthase [glutamine-hydrolyzing], GMP synthetase, Glutamine amidotransferase, GMPS

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8613c](/products/AP8613c) was selected from the Center region of human GMPS. 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.

**GMPS Antibody (Center) Blocking Peptide - Protein Information**

**Name** GMPS

**Function**

Catalyzes the conversion of xanthine monophosphate (XMP) to GMP in the presence of glutamine and ATP through an adenylyl-XMP intermediate.

**Cellular Location**

Cytoplasm, cytosol.

**GMPS Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

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

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

GMPS is involved in the de novo synthesis of guanine nucleotides which are not only essential for DNA and RNA synthesis, but also provide GTP, which is involved in a number of cellular processes important for cell division.

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

Nakamura,J., et.al., J. Biol. Chem. 270 (40), 23450-23455 (1995) Nakamura,J. et.al., J. Biol. Chem. 270 (13), 7347-7353 (1995)