

GMPS Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP2953b**Specification**

GMPS Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P49915](#)**GMPS Antibody (C-term) 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 [AP2953b](/products/AP2953b) was selected from the C-term 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 (C-term) 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 (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GMPS Antibody (C-term) Blocking Peptide - Images**GMPS Antibody (C-term) 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 (C-term) 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)