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

Specification

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 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 adenyl-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)