

GMPR Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7386a**Specification**

GMPR Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [P36959](#)

GMPR Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 2766

Other Names

GMP reductase 1, Guanosine 5'-monophosphate oxidoreductase 1, Guanosine monophosphate reductase 1, GMPR, GMPR1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7386a](/products/AP7386a) was selected from the N-term region of human GMPR. 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.

GMPR Antibody (N-term) Blocking Peptide - Protein Information

Name GMPR

Synonyms GMPR1 {ECO:0000255|HAMAP-Rule:MF_03195}

Function

Catalyzes the irreversible NADPH-dependent deamination of GMP to IMP. It functions in the conversion of nucleobase, nucleoside and nucleotide derivatives of G to A nucleotides, and in maintaining the intracellular balance of A and G nucleotides.

GMPR Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GMPR Antibody (N-term) Blocking Peptide - Images

GMPR Antibody (N-term) Blocking Peptide - Background

Guanosine monophosphate reductase (EC 1.7.1.7) catalyzes the irreversible NADPH-dependent reductive deamination of guanosine monophosphate (GMP) to inosine monophosphate (IMP). GMPR is able to convert guanosine nucleotides to the pivotal precursor of both guanine (G) and adenine (A) nucleotides. It plays an important role in maintaining the intracellular balance of A and G nucleotides.

GMPR Antibody (N-term) Blocking Peptide - References

Deng,Y., Int. J. Biochem. Cell Biol. 34 (9), 1035-1050 (2002)Salvatore,D., J. Biol. Chem. 273 (47), 31092-31096 (1998)