

GMPS rabbit monoclonal antibody

Catalog # H00008833-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human GMPS peptide using ARM Technology.
Immunogen	A synthetic peptide of human GMPS is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human GMPS peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — GMPS

Entrez GeneID	8833
GeneBank Accession#	GMPS
Gene Name	GMPS
Gene Alias	-
Gene Description	guanine monphosphate synthetase
Omim ID	600358 601626
Gene Ontology	Hyperlink
Gene Summary	In the de novo synthesis of purine nucleotides, IMP is the branch point metabolite at which point the pathway diverges to the synthesis of either guanine or adenine nucleotides. In the guanine nucleotide pathway, there are 2 enzymes involved in converting IMP to GMP, namely IMP dehydrogenase (IMPD1), which catalyzes the oxidation of IMP to XMP, and GMP synthetase, which catalyzes the amination of XMP to GMP. [provided by RefSeq]
Other Designations	GMP synthase GMP synthetase MLL/GMPS fusion protein glutamine amidotransferase guanine monophosphate synthetase guanosine 5'-monophosphate synthase

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Drug metabolism - other enzymes](#)
- [Metabolic pathways](#)
- [Purine metabolism](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Inflammatory Bowel Diseases](#)
- [Schizophrenia](#)