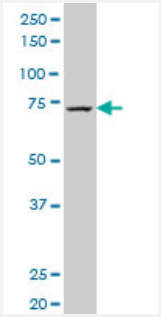
GMPS polyclonal antibody (A01)

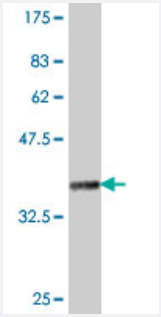
Catalog # H00008833-A01 Size 50 uL

Applications



Western Blot (Cell lysate)

GMPS polyclonal antibody (A01), Lot # 051220JC01 Western Blot analysis of GMPS expression in HL-60 (Cat # L014V1).



Western Blot detection against Immunogen (37.99 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant GMPS.
Immunogen	GMPS (NP_003866, 108 a.a. ~ 215 a.a) partial recombinant protein with GST tag.
Sequence	QMMNKVFGGTVHKKSVREDGVFNISVDNTCSLFRGLQKEEVVLLTHGDSVDKVADGFKVVARS GNIVAGIANESKKLYGAQFHPEVGLTENGKVILKNFLYDIAGCSG
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (97); Rat (97)

Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.99 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

  GMPS polyclonal antibody (A01), Lot # 051220JC01 Western Blot analysis of GMPS expression in HL-60 (Cat # L014V1).

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — GMPS

Entrez GeneID	8833
GeneBank Accession#	NM_003875
Protein Accession#	NP_003866
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 th e pathway diverges to the synthesis of either guanine or adenine nucleotides. In the guanine nucle otide pathway, there are 2 enzymes involved in converting IMP to GMP, namely IMP dehydrogena se (IMPD1), which catalyzes the oxidation of IMP to XMP, and GMP synthetase, which catalyzes t he 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