

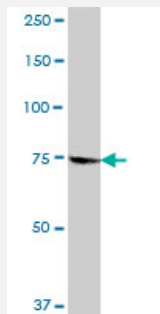
MaxPab®

GMPS purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00008833-B01P

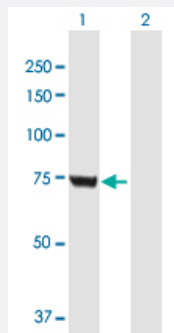
Size 50 ug

Applications



Western Blot (Tissue lysate)

GMPS MaxPab polyclonal antibody. Western Blot analysis of GMPS expression in human spleen.



Western Blot (Transfected lysate)

Western Blot analysis of GMPS expression in transfected 293T cell line ([H00008833-T01](#)) by GMPS MaxPab polyclonal antibody.

Lane 1: GMPS transfected lysate(76.23 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human GMPS protein.

Immunogen

GMPS (NP_003866.1, 1 a.a. ~ 693 a.a) full-length human protein.

Sequence	MALCNGDSKLENAGGDLKDGHHHYEGAVVILDAGAQYGKVIDRRVRELFVQSEIFPLETPAFAIKE QGFRAIISGGPNSVYAEDAPWFDPAIFTIGKPVLGICYGMQMMNKVFGGTVHKKSVDREDAVFNISV DNTCSLFRGLQKEEVVLLTHGDSVDKVADGFKVVARSGNVAGIANESKKLYGAQFHPEVGLTEN GKVLKNFLYDIAGCSGTFTVQNRELECIREIKERVGTSKVLVLLSGGVDSTVCTALLNRALNQEQVI AVHIDNGFMRKRESQSVEEALKKLGQVKVINAHSFYNGTTLPISDEDRTPRKRISKTLNMTTSP EEKRKIIGDTFVKIANEVIGEMNLKPEEVFLAQGTLPDLIESASLVASGKAELIKTHHNDTELIRKLR EEGKVIPLKDFHKDEVRLGRELGLPEELVSRHPFPGPLAIRVICAEEPYICKDFPETNNILKVA DFSASVKKPHTLLQRVKACTTEEDQEKLMTSLHSLNAFLLPKTVGVQGDCRSYSYVCGISSKD EPDWESLIFLARLIPRMCHNVNRVYIFGPPVKEPPTDVTPTFLTGTGLSTLRQADFEAHNLRSG YAGKISQMPVILTPLHFDRDPLQKQPSCQRSVVIRTFITSDFMTGIPATPGNEIPVEVVLKMTVEIKKI PGISRIMYDLTSKPPGTTEWE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (97); Rat (97)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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- Western Blot (Tissue lysate)

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[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of GMPS expression in transfected 293T cell line ([H00008833-T01](#)) by GMPS MaxPab polyclonal antibody.

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[Protocol Download](#)

Gene Info — GMPS

Entrez GeneID [8833](#)

GeneBank Accession# [NM_003875.2](#)

Protein Accession#	NP_003866.1
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](#)