

DNAxPAb

Hard-to-Find
Antibody

GMPS DNAxPab

Catalog # H00008833-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human GMPS DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence MALCNGDSKLENAGGDLKDGHHHYEGAVVILDAGAQYGKVIDRRVRELFVQSEIFLETPAFAIKE
QGFRALISGGPNSVYAEDAPWFDPAIFTIGKPVLGICYGMQMMNKVFGGTVHKKSVDREDAVFNISV
DNTCSLFRGLQKEEVLLTHGDSVDKVADGFKVVARSGNVAGIANESKKLYGAQFHPEVGLTEN
GKVLKNFLYDIAGCSGTFTVQNRELECIREIKERVGTSKVLVLLSGGVDSTVCTALLNRALNQEQVI
AVHIDNGFMRKRESQSVEEALKKLGIQVKVINAAHSFYNGTTTLPISDEDRTPRKRISKTLNMTTSP
EEKRKIGDTFVKIANEVIGEMNLKPEEVFLAQGTLRPDIESASLVASGKAELIKTHHNDTELIRKLR
EEGKVIEPLKDFHKDEVRLGRELGLPEELVSRHPFPGPLAIRVICAEEPYICKDFPETNNILKVA
DFSASVKKPHTLLQRVKACTTEEDQEKLMTSLHSLNAFLLPKTVGVQGDCRSYSYVCGISSKD
EPDWESLIFLARLIPRMCHNVNRVYIFGPPVKEPPTDVTPTFLTGTGLSTLRQADFEAHNILRESG
YAGKISQMPVILTPLHFDRDPLQKQPSCQRSVVIRTFITSDFMTGIPATPGNEIPVEVVLKVMTEIKKI
PGISRIMYDLTSKPPGTTEWE

Host Rabbit

Reactivity Human

Purification Protein A

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.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — GMPS

Entrez GeneID [8833](#)

GeneBank Accession# [NM_003875.2](#)

Protein Accession# [NP_003866.1](#)

Gene Name GMPS

Gene Alias -

Gene Description guanine monophosphate 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](#)