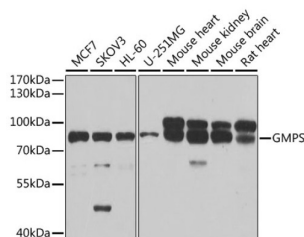
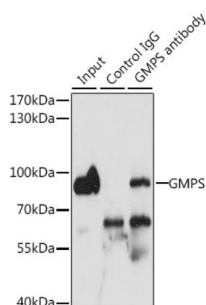


Guanine Monophosphate Synthase (GMPS) Antibody

Catalogue No.: abx005065



Western blot analysis of various lysates using GMPS Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 90s.



Immunoprecipitation analysis of 200 µg extracts of MCF-7 cells, using 3 µg GMPS antibody. Western blot was performed from the immunoprecipitate using GMPS antibody at a dilution of 1/1000.

GMPS Antibody is a Rabbit Polyclonal antibody against GMPS. 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.

Target: Guanine Monophosphate Synthase (GMPS)

Clonality: Polyclonal

Reactivity: Human, Mouse, Rat

Tested Applications: ELISA, WB, IP

Host: Rabbit

Recommended dilutions: ELISA: 1 µg/ml, WB: 1/500 - 1/2000, IP: 0.5 µg - 4 µg antibody per 200 µg - 400 µg extracts of whole cells. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: Recombinant fusion protein containing a sequence corresponding to amino acids 394-693 of human GMPS.

Isotype: IgG

Datasheet

Version: 3.0.0
Revision date: 27 Jun 2025



Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P49915 (UniProt , ExPASy)
Gene Symbol:	GMPS
GeneID:	8833
NCBI Accession:	NP_003866.1
KEGG:	hsa:8833
String:	9606.ENSP00000419851
Molecular Weight:	Calculated MW: 77 kDa Observed MW: 80 kDa
Buffer:	PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.
Concentration:	> 0.2 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.