A6606

Leader in Biomolecular Solutions for Life Science

www.abclonal.com

GMPS Rabbit pAb

Catalog No.: A6606

Basic Information

Observed MW
80kDa

Calculated MW
77kDa

Category
Polyclonal Antibody

Applications
WB,IP,ELISA

Cross-Reactivity
Human,Mouse,Rat

Background

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.

Recommended Dilutions

WB	1:500 - 1:2000
IP	0.5μg-4μg antibody for 200μg-400μg extracts of whole cells

Immunogen Information

Gene ID
8833

Swiss Prot
P49915

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 394-693 of human GMPS (NP_003866.1).

Synonyms
GATD7; GMPS

Contact

www.abclonal.com

Product Information

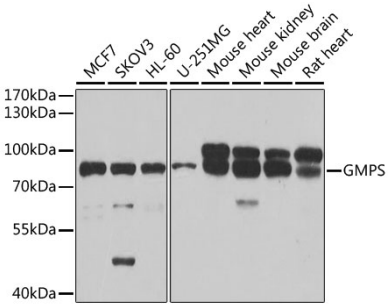
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates using GMPS Rabbit pAb (A6606) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.

Immunoprecipitation analysis of 200 µg extracts of MCF-7 cells, using 3 µg GMPS antibody (A6606).
Western blot was performed from the immunoprecipitate using GMPS antibody (A6606) at a dilution of 1:1000.