

## GMPS

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**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:**76kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human GMPS

**Storage Buffer:**

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

**Catalog #:**A6606

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**8833

**Isotype:**IgG

**Swiss Prot:**P49915

**Purity:**Affinity purification

For research use only.

**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.

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