

## **Product datasheet for TA376627S**

## OriGene Technologies, Inc.

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## **GMP Synthase (GMPS) Rabbit Polyclonal Antibody**

**Product data:** 

**Product Type:** Primary Antibodies

**Applications:** ELISA, IP, WB

Recommended Dilution: WB,1:500 - 1:2000

IP,0.5μg-4μg antibody for 200μg-400μg extracts of whole cells

ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration

based on your specific assay requirements.

Reactivity: Human, Mouse, Rat

Modifications: Unmodified

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**Formulation:** Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

**Concentration:** lot specific

**Purification:** Affinity purification

**Conjugation:** Unconjugated

Storage: Store at -20°C. Avoid freeze / thaw cycles.

**Stability:** Shelf life: one year from despatch.

Predicted Protein Size: 77kDa

**Gene Name:** guanine monophosphate synthase

Database Link: Entrez Gene 8833 Human

P49915

**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

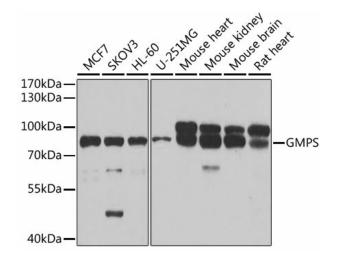
synthetase, which catalyzes the amination of XMP to GMP.

**Synonyms:** GMPS

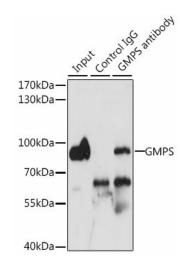




## **Product images:**



Western blot analysis of various lysates using GMPS Rabbit pAb ([TA376627]) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit lgG (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  $\mu g$  extracts of MCF-7 cells