

GMP synthase Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_003866.1

Catalog No. A302-417A

GeneID 8833

Lot No. A302-417A-1



APPLICATIONS	WB, IP
SPECIES REACTIVITY	Human
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Mouse, Rat and Orangutan
AMOUNT	100 µl
CONCENTRATION	200 µg/ml
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	Antibody was affinity purified using an epitope specific to GMP synthase immobilized on solid support.

The epitope recognized by A302-417A maps to a region between residue 650 and 693 of human guanine monophosphate synthetase using the numbering given in entry NP_003866.1 (GeneID 8833).

Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.

APPLICATIONS Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot 1:2,000 – 1:10,000

Immunoprecipitation 2 – 5 µg/mg lysate

APPLICATION NOTES Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).

Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.

ADDITIONAL INFO <https://www.bethyl.com/product/A302-417A>

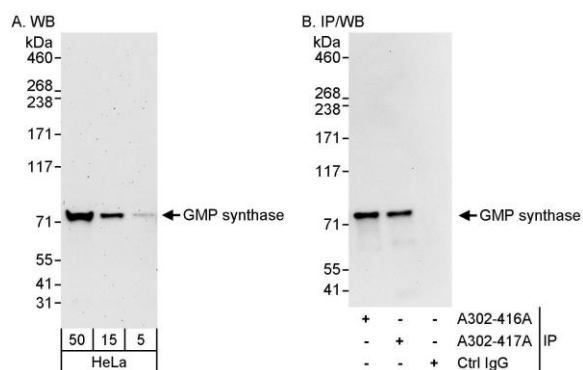
Use the link above to view SDS, a current list of citations, and other product specific information.

IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Eric McIntush, PhD | Chief Scientific Officer

Date: June 21, 2019



Detection of human GMP synthase by western blot and immunoprecipitation. *Samples:* Whole cell lysate (5, 15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded) from HeLa cells. *Antibodies:* Affinity purified rabbit anti-GMP synthase antibody A302-417A used for WB at 0.04 µg/ml (A) and 1 µg/ml (B) and used for IP at 3 µg/mg lysate. GMP synthase was also immunoprecipitated by rabbit anti-GMP synthase antibody A302-416A, which recognizes an upstream epitope. *Detection:* Chemiluminescence with exposure times of 3 minutes (A) and 10 seconds (B).