

Datasheet for ABIN453668

anti-GMP Synthase antibody (Middle Region)



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1 Image

Overview

Quantity:	0.4 mL
Target:	GMP Synthase (GMPS)
Binding Specificity:	Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GMP Synthase antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide selected from the Center region of human GMPS
Specificity:	This antibody reacts to GMPS.
Purification:	Saturated Ammonium Sulfate (SAS) precipitation

Target Details

Target:	GMP Synthase (GMPS)
Alternative Name:	GMP Synthetase / GMPS (GMPS Products)
Background:	GMPS is involved in the de novo synthesis of guanine nucleotides which are not only essential for DNA and RNA synthesis, but also provide GTP, which is involved in a number of cellular processes important for cell division. Synonyms: GMP synthase [glutamine-hydrolyzing], Glutamine amidotransferase

Target Details

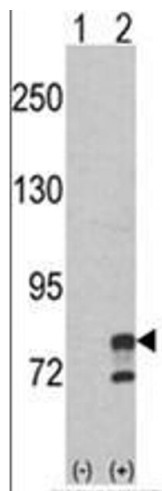
Gene ID:	8833
NCBI Accession:	NP_003866
UniProt:	P49915
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	ELISA: 1/1,000. Western blotting: 1/50 - 1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of GMPS (arrow) using rabbit polyclonal GMPS Antibody (Center) . 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the GMPS gene (Lane 2) (Origene Technologies).