Datasheet for ABIN6141190

anti-GMP Synthase antibody (AA 394-693)

2 Images

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Overview

Quantity:	100 µL
Target:	GMP Synthase (GMPS)
Binding Specificity:	AA 394-693
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GMP Synthase antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 394-693 of human GMPS (NP_003866.1).
Sequence:	DTELIRKLRE EGKVIEPLKD FHKDEVRILG RELGLPEELV SRHPFPGPGL AIRVICAEEP YICKDFPETN NILKIVADFS ASVKKPHTLL QRVKACTTEE DQEKLMQITS LHSLNAFLLP IKTVGVQGDC RSYSYVCGIS SKDEPDWESL IFLARLIPRM CHNVNRVVYI FGPPVKEPPT DVTPTFLTTG VLSTLRQADF EAHNILRESG YAGKISQMPV ILTPLHFDRD PLQKQPSCQR SVVIRTFITS DFMTGIPATP GNEIPVEVVL KMVTEIKKIP GISRIMYDLT SKPPGTTEWE
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

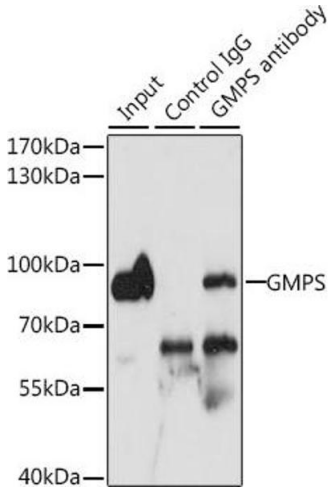
Target:	GMP Synthase (GMPS)
Alternative Name:	GMPS (GMPS Products)
Background:	In the de novo synthesis of purine nucleotides, IMP is the branch point metabolite at which point the pathway diverges to the synthesis of either guanine or adenine nucleotides. In the guanine nucleotide pathway, there are 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.,GMPS,GATD7,Epigenetics & Nuclear Signaling,GMPS
Molecular Weight:	65 kDa/76 kDa
Gene ID:	8833
UniProt:	P49915
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	WB,1:500 - 1:2000,IP,1:50 - 1:100
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

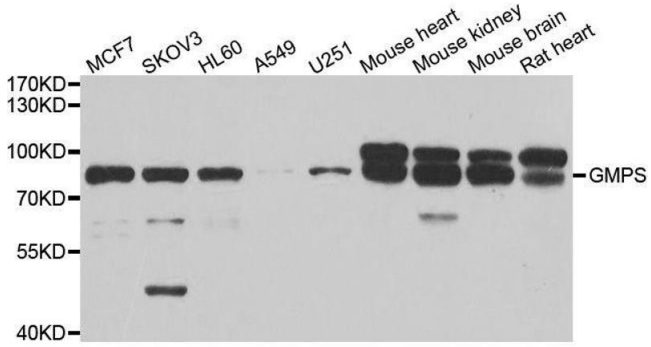
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Immunoprecipitation

Image 1. Immunoprecipitation analysis of 200 µg extracts of MCF-7 cells, using 3 µg GMPS antibody (ABIN6133520, ABIN6141190, ABIN6141191 and ABIN6222293). Western blot was performed from the immunoprecipitate using GMPS antibody (ABIN6133520, ABIN6141190, ABIN6141191 and ABIN6222293) at a dilition of 1:1000.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using GMPS antibody.

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