

Rabbit GMPS Polyclonal Antibody | anti-GMPS antibody

GMPS Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288368	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

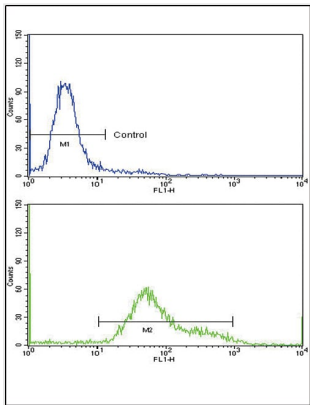
PRODUCT SYNONYMS

GMPS; Polyclonal Antibody; GMPS Antibody (C-term); GMP synthase [glutamine-hydrolyzing]; GMP synthetase; Glutamine amidotransferase; anti-GMPS antibody

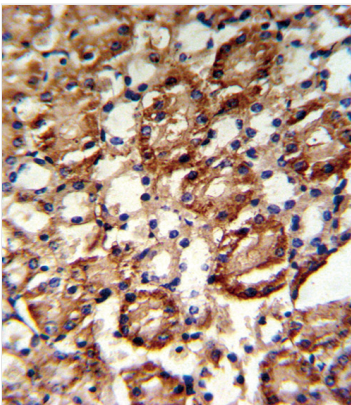
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GMPS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 602-630 amino acids from the C-terminal region of human GMPS.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	602-630
Sequence Length	594
Applicable Applications for anti-GMPS antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

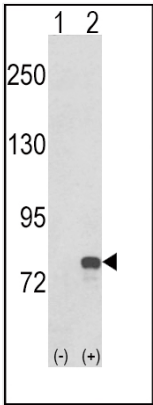
IMAGES



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of hela cells using GMPS Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram) FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded kidney tissue reacted with GMPS Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



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

ADDITIONAL INFORMATION

Related Product Information for anti-GMPS antibody	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.
References	Nakamura,J., et.al., J. Biol. Chem. 270 (40), 23450-23455 (1995) Nakamura,J. et.al., J. Biol. Chem. 270 (13), 7347-7353 (1995)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504035
NCBI GeneID	8833
NCBI Accession #	NP_003866.1
NCBI GenBank Nucleotide #	NM_003875.2
UniProt Accession #	P49915; A8K639; B4DXV7; F8W720
Molecular Weight	76715
NCBI Official Full Name	GMP synthase

NCBI Official Synonym Full Names	guanine monphosphate synthase
NCBI Official Symbol	GMPS
NCBI Protein Information	GMP synthase [glutamine-hydrolyzing]
UniProt Protein Name	GMP synthase [glutamine-hydrolyzing]
UniProt Gene Name	GMPS
UniProt Entry Name	GUAA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gmps-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/288368>