

GMPR Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12887b**Specification**

GMPR Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	P36959
Other Accession	NP_006868.3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	238-267

GMPR Antibody (C-term) - Additional Information**Gene ID** 2766**Other Names**

GMP reductase 1, Guanosine 5'-monophosphate oxidoreductase 1, Guanosine monophosphate reductase 1, GMPR, GMPR1

Target/Specificity

This GMPR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 238-267 amino acids from the C-terminal region of human GMPR.

Dilution

WB~~1:1000

IHC-P~~1:10~50

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.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GMPR Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GMPR Antibody (C-term) - Protein Information**Name** GMPR**Synonyms** GMPR1 {ECO:0000255|HAMAP-Rule:MF_03195}

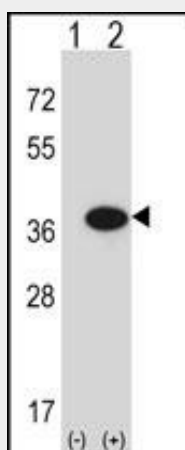
Function Catalyzes the irreversible NADPH-dependent deamination of GMP to IMP. It functions in the conversion of nucleobase, nucleoside and nucleotide derivatives of G to A nucleotides, and in maintaining the intracellular balance of A and G nucleotides.

GMPR Antibody (C-term) - Protocols

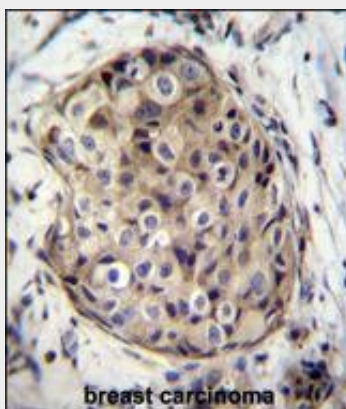
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GMPR Antibody (C-term) - Images



Western blot analysis of GMPR (arrow) using rabbit polyclonal GMPR Antibody (C-term) (Cat. #AP12887b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the GMPR gene.



GMPR Antibody (C-term) (Cat. #AP12887b) immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of GMPR Antibody (C-term) for

immunohistochemistry. Clinical relevance has not been evaluated.

GMPR Antibody (C-term) - Background

This gene encodes an enzyme that catalyzes the irreversible and NADPH-dependent reductive deamination of GMP to IMP. The protein also functions in the re-utilization of free intracellular bases and purine nucleosides.

GMPR Antibody (C-term) - References

Chasman, D.I., et al. PLoS Genet. 5 (11), E1000730 (2009) :
Lamesch, P., et al. Genomics 89(3):307-315(2007)
Mungall, A.J., et al. Nature 425(6960):805-811(2003)
Deng, Y., et al. Int. J. Biochem. Cell Biol. 34(9):1035-1050(2002)
Salvatore, D., et al. J. Biol. Chem. 273(47):31092-31096(1998)