

GMPR1 Rabbit pAb

GMPR1 Rabbit pAb

Catalog # AP55168

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P36959
Predicted	Rat, Pig, Human, Mouse, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37419
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GMPR1
Epitope Specificity	261-345/345
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.[provided by RefSeq, Oct 2009].

Additional Information

Gene ID	2766
Other Names	GMP reductase 1 {ECO:0000255 HAMAP-Rule:MF_03195}, GMPR 1 {ECO:0000255 HAMAP-Rule:MF_03195}, 1.7.1.7 {ECO:0000255 HAMAP-Rule:MF_03195}, Guanosine 5'-monophosphate oxidoreductase 1 {ECO:0000255 HAMAP-Rule:MF_03195}, Guanosine monophosphate reductase 1 {ECO:0000255 HAMAP-Rule:MF_03195}, GMPR, GMPR1 {ECO:0000255 HAMAP-Rule:MF_03195}
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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.

Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.