



Rabbit Anti-GMPR1 antibody

SL13462R

Product Name:	GMPR1
Chinese Name:	鸟苷酸还原酶1抗体
Alias:	GMP reductase 1; Gmpr; GMPR1_HUMAN; Guanosine monophosphate reductase 1; guanosine monophosphate reductase.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	37kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GMPR1:261-345/345
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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]. 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.

Subunit:

Homotetramer.

Similarity:

Belongs to the IMPDH/GMPR family.

SWISS:

P36959

Gene ID:

2766

Database links:

[Entrez Gene: 2766](#)Human

[Entrez Gene: 66355](#)Mouse

[Entrez Gene: 117533](#)Rat

[Omim: 139265](#)Human

[SwissProt: P36959](#)Human

[SwissProt: Q9DCZ1](#)Mouse

[SwissProt: Q9Z244](#)Rat

[Unigene: 484741](#)Human

[Unigene: 290802](#)Mouse

[Unigene: 3862](#)Rat

Important Note:

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