

## Rabbit anti-Human GMPR Polyclonal Antibody | anti-GMPR antibody

GMPR Antibody (C-term)

|                               |                       |                            |                                                                  |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA289014</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|

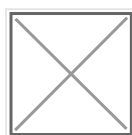
### PRODUCT SYNONYMS

GMPR; Polyclonal Antibody; GMPR Antibody (C-term); GMP reductase 1; Guanosine 5'-monophosphate oxidoreductase 1; Guanosine monophosphate reductase 1; GMPR1; anti-GMPR antibody

### PRODUCT SPECIFICATIONS

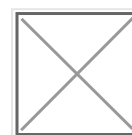
|                                                |                                                                                                                                                                                           |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                    |
| Reactivity                                     | Human                                                                                                                                                                                     |
| Clonality                                      | Polyclonal                                                                                                                                                                                |
| Isotype                                        | Rabbit Ig                                                                                                                                                                                 |
| 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.                      |
| 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                             | 238-267                                                                                                                                                                                   |
| Sequence Length                                | 345                                                                                                                                                                                       |
| Applicable Applications for anti-GMPR antibody | 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



#### IHC (Immunohistochemistry)

GMPR Antibody (C-term) 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.



#### WB (Western Blot)

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

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-GMPR antibody | 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.                                                                                       |
| Product Categories/Family for anti-GMPR antibody   | Cell Biology; Signal transduction                                                                                                                                                                                                                                                                               |
| References                                         | Chasman, D.I., et al. PLoS Genet. 5 (11), E1000730 (2009) :<br>Lamesch, P., et al. Genomics 89(3):307-315(2007)<br>Mungall, A.J., et al. Nature 425(6960):805-811(2003)<br>Deng, Y., et al. Int. J. Biochem. Cell Biol. 34(9):1035-1050(2002)<br>Salvatore, D., et al. J. Biol. Chem. 273(47):31092-31096(1998) |

NCBI AND UNIPROT INFORMATION

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| NCBI GI #                        | 156104880                                  |
| NCBI GeneID                      | 2766                                       |
| NCBI Accession #                 | NP_006868.3                                |
| NCBI GenBank Nucleotide #        | NM_006877.3                                |
| UniProt Accession #              | P36959; Q96HQ6                             |
| Molecular Weight                 | 37419                                      |
| NCBI Official Full Name          | GMP reductase 1                            |
| NCBI Official Synonym Full Names | guanosine monophosphate reductase          |
| NCBI Official Symbol             | GMPR                                       |
| NCBI Official Synonym Symbols    | GMPR1                                      |
| NCBI Protein Information         | GMP reductase 1                            |
| UniProt Protein Name             | GMP reductase 1                            |
| UniProt Gene Name                | <b>GMPR</b>                                |
| UniProt Synonym Gene Names       | GMPR1; Guanosine monophosphate reductase 1 |
| UniProt Entry Name               | GMPR1_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/gmpr-antibody-immunohistochemistry-western-blot-elisa/289014>