

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

GMDS Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                    |
|-----------|--------|------------|-------------------------------------------------|
| AAA234567 | Rabbit | Human      | Immunofluorescence, Immunohistochemistry, ELISA |

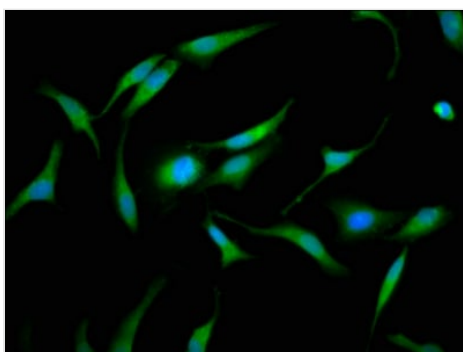
### PRODUCT SYNONYMS

GMDS; Polyclonal Antibody; GMDS Antibody; GDP-mannose 4; 6 dehydratase; GDP-D-mannose dehydratase; GMD; anti-GMDS antibody

### PRODUCT SPECIFICATIONS

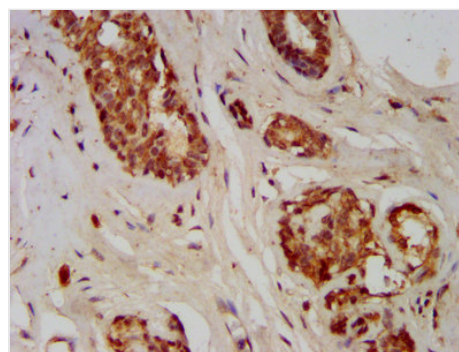
|                                                |                                                                                  |
|------------------------------------------------|----------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                           |
| Reactivity                                     | Human                                                                            |
| Clonality                                      | Polyclonal                                                                       |
| Isotype                                        | IgG                                                                              |
| Purity/Purification                            | >95%, Protein G purified                                                         |
| Form/Format                                    | Liquid                                                                           |
| Sequence Length                                | 342                                                                              |
| Applicable Applications for anti-GMDS antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA                       |
| Immunogen                                      | Recombinant Human GDP-mannose 4, 6 dehydratase protein (243-346AA)               |
| Conjugation                                    | Non-conjugated                                                                   |
| Buffer                                         | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, pH 7.4 |
| Preparation and Storage                        | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.      |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescence staining of HeLa cells with AAA234567 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



#### IHC (Immunohistochemistry)

IHC image of AAA234567 diluted at 1:400 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL INFORMATION

|                                                    |                                                                               |
|----------------------------------------------------|-------------------------------------------------------------------------------|
| Related Product Information for anti-GMDS antibody | Catalyzes the conversion of GDP-D-mannose to GDP-4-dehydro-6-deoxy-D-mannose. |
| Product Categories/Family for anti-GMDS antibody   | Cancer; Metabolism; Signal Transduction                                       |

NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 359718934                                              |
| NCBI GeneID                      | 2762                                                   |
| NCBI Accession #                 | NP_001240775.1                                         |
| NCBI GenBank Nucleotide #        | NM_001253846.1                                         |
| UniProt Accession #              | O60547; O75357; Q5T954; Q6FH09; Q9UGZ3; Q9UJK9; E9PI88 |
| Molecular Weight                 | 39,054 Da                                              |
| NCBI Official Full Name          | GDP-mannose 4,6 dehydratase isoform 2                  |
| NCBI Official Synonym Full Names | GDP-mannose 4,6-dehydratase                            |
| NCBI Official Symbol             | GMDS                                                   |
| NCBI Official Synonym Symbols    | GMD; SDR3E1                                            |
| NCBI Protein Information         | GDP-mannose 4,6 dehydratase                            |
| UniProt Protein Name             | GDP-mannose 4,6 dehydratase                            |
| UniProt Gene Name                | GMDS                                                   |
| UniProt Synonym Gene Names       | GMD                                                    |

**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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