

## Rabbit GUSB Polyclonal Antibody | anti-GUSB antibody

GUSB Antibody (Center)

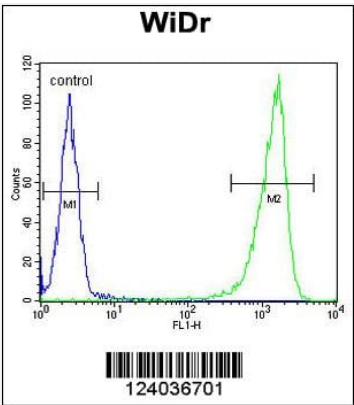
| CATALOG # | HOST   | REACTIVITY                        | APPLICATIONS                                                                |
|-----------|--------|-----------------------------------|-----------------------------------------------------------------------------|
| AAA287572 | Rabbit | Human (Predicted Reactivity: Pig) | Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot |

### PRODUCT SYNONYMS

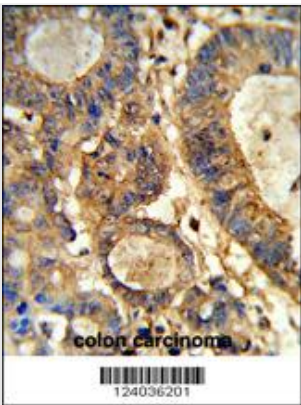
GUSB; Polyclonal Antibody; GUSB Antibody (Center); Beta-glucuronidase; Beta-G1; anti-GUSB antibody

### PRODUCT SPECIFICATIONS

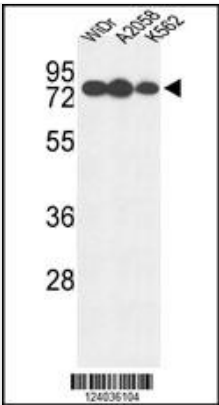
|                                                |                                                                                                                                                                              |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                       |
| Reactivity                                     | Human (Predicted Reactivity: Pig)                                                                                                                                            |
| Clonality                                      | Polyclonal                                                                                                                                                                   |
| Isotype                                        | Rabbit Ig                                                                                                                                                                    |
| Specificity                                    | This GUSB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 335-362 amino acids from the Central region of human GUSB.            |
| Purity/Purification                            | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                    | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                  | Vial Concentration: 0.5 (varies by lot)                                                                                                                                      |
| Sequence Positions                             | 335-362                                                                                                                                                                      |
| Sequence Length                                | 505                                                                                                                                                                          |
| Applicable Applications for anti-GUSB antibody | FCM/FACS (Flow Cytometry), 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.                       |



**FCM/FACS (Flow Cytometry)**  
GUSB Antibody (Center) flow cytometric analysis of WiDr cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



**IHC (Immunohiostchemistry)**  
Formalin-fixed and paraffin-embedded human colon carcinoma reacted with GUSB Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



**WB (Western Blot)**  
Western blot analysis of GUSB Antibody (Center) in WiDr, A2058, K562 cell line lysates (35ug/lane). GUSB (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-GUSB antibody | The GUSB gene encodes beta-glucuronidase (EC 3.2.1.31), a lysosomal hydrolase involved in the stepwise degradation of glucuronic acid-containing glycosaminoglycans (Shipley et al., 1993 [PubMed 7680524]). It is a tetrameric glycoprotein composed of identical subunits (Oshima et al., 1987 [PubMed 3468507]). The GUSB gene is mutated in mucopolysaccharidosis type VII (MPS7; MIM 253220). |
| Product Categories/Family for anti-GUSB antibody   | Cell Biology; Metabolism; Neuroscience                                                                                                                                                                                                                                                                                                                                                             |
| References                                         | Tomatsu,S. Hum. Mutat. 30 (4), 511-519 (2009)<br>Romanowski,T. Med. Sci. Monit. 14 (7), BR147-BR152 (2008)<br>Gratz,M. Pharmacogenet. Genomics 15 (12), 875-881 (2005)                                                                                                                                                                                                                             |

NCBI AND UNIPROT INFORMATION

|                           |                                        |
|---------------------------|----------------------------------------|
| NCBI GI #                 | 268834192                              |
| NCBI GeneID               | 2990                                   |
| NCBI Accession #          | NP_000172.2                            |
| NCBI GenBank Nucleotide # | NM_000181.3                            |
| UniProt Accession #       | P08236; Q549U0; Q96CL9; B4E1F6; E9PCV0 |

|                                         |                              |
|-----------------------------------------|------------------------------|
| <b>Molecular Weight</b>                 | 74732                        |
| <b>NCBI Official Full Name</b>          | beta-glucuronidase isoform 1 |
| <b>NCBI Official Synonym Full Names</b> | glucuronidase, beta          |
| <b>NCBI Official Symbol</b>             | GUSB                         |
| <b>NCBI Official Synonym Symbols</b>    | BG; MPS7                     |
| <b>NCBI Protein Information</b>         | beta-glucuronidase           |
| <b>UniProt Protein Name</b>             | Beta-glucuronidase           |
| <b>UniProt Gene Name</b>                | <b>GUSB</b>                  |
| <b>UniProt Entry Name</b>               | BGLR_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/gusb-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/287572>