

GUSB rabbit monoclonal antibody

Catalog # H00002990-K

Size 100 ug x up to 3

Specification

| | |
|--------------------------------|--|
| Product Description | Rabbit monoclonal antibody raised against a human GUSB peptide using ARM Technology. |
| Immunogen | A synthetic peptide of human GUSB is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence. |
| Host | Rabbit |
| Library Construction | Non-fusion antibody library from rabbit spleen (ARM Technology). |
| Expression | Overexpression vector and transfection into 293H cell line. |
| Reactivity | Human |
| Purification | Protein A |
| Isotype | IgG |
| Quality Control Testing | Antibody reactive against human GUSB peptide by ELISA and mammalian transfected lysate by Western Blot. |
| Storage Buffer | In 1x PBS, pH 7.4 |
| Storage Instruction | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |
| Deliverable | Up to three rabbit IgG clones of 100 ug each will be delivered to customer. |
| Note | 1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request. |

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — GUSB

| | |
|---------------------|--|
| Entrez GeneID | 2990 |
| GeneBank Accession# | GUSB |
| Gene Name | GUSB |
| Gene Alias | FLJ39445, MPS7 |
| Gene Description | glucuronidase, beta |
| Omim ID | 253220 611499 |
| Gene Ontology | Hyperlink |
| Gene Summary | 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).[supplied by OMIM] |
| Other Designations | - |

Pathway

- [Drug metabolism - other enzymes](#)
- [Glycosaminoglycan degradation](#)
- [Lysosome](#)
- [Metabolic pathways](#)
- [Pentose and glucuronate interconversions](#)
- [Porphyrin and chlorophyll metabolism](#)
- [Starch and sucrose metabolism](#)

Disease

- [Mucopolysaccharidosis VII](#)