

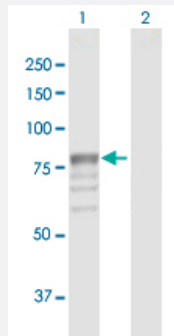
MaxPab®

# GUSB purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00002990-D01P

Size 100 ug

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of GUSB expression in transfected 293T cell line ([H00002990-T02](#)) by GUSB MaxPab polyclonal antibody.

Lane 1: GUSB transfected lysate(74.70 KDa).

Lane 2: Non-transfected lysate.

## Specification

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description     | Rabbit polyclonal antibody raised against a full-length human GUSB protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Immunogen               | GUSB (NP_000172.1, 1 a.a. ~ 651 a.a) full-length human protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Sequence                | MARGSAVAWAALGPLLWGCALGLQGGMLYPQESPSRECKELDGLWSFRADFSDNRRRGFEE<br>QWYRRPLWESGPTVDMVPVPSSFNDISQDWRLRHFVGVWVYEREVILPERWTQDLRTRVVLRI<br>SAHSYAIVWVNGVDTLEHEGGYLPFEADISNLVQVGPLPSRLRTIAINNTLTPTTLPPTIQYLT<br>KYPKGYFVQNTYFDFNYAGLQRSVLLYTPTTYIDITVTTTSVEQDSGLVNYQISVKGSNLFKLEVR<br>LLDAENKVVANGTGTQGQLKVPGVSLWWPYLMHERPAYLYSLEVQLTAQTS LGPVSDFYTLPGVI<br>RTVAVTKSQFLINGKPFYFHGVNKHEDADIRGKGFDPVLLVKDFNLLRWLGANAFRTSHYPYAE<br>VMQMCDRYGIVVIDECPGVGLALPQFFNNVSLHHMQVMEEVVRDKNHPAVVMWSVANEPAS<br>HLESAGYYLKMVIAHTKSLDPSRPVTFVSNSNYAADKGAPYVDICLNSYYSWYHDYGHLELIQLQL<br>ATQFENWYKKYQKPIQSEYGAETIAGFHQDPPLMFTTEYQKSLLEQYHLGLDQKRRKYVVGELIW<br>NFADFMTEQSPTRVLGNKKGIFTRQRQPKSA AFLLRERYWKIANETRYPHSVAKSQCLENSPFT |
| Host                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Quality Control Testing | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Storage Buffer          | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

## Gene Info — GUSB

Entrez GeneID [2990](#)

GeneBank Accession# [NM\\_000181.1](#)

Protein Accession# [NP\\_000172.1](#)

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](#)