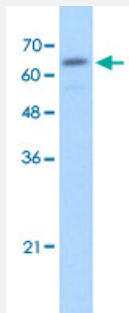


# GUSB polyclonal antibody

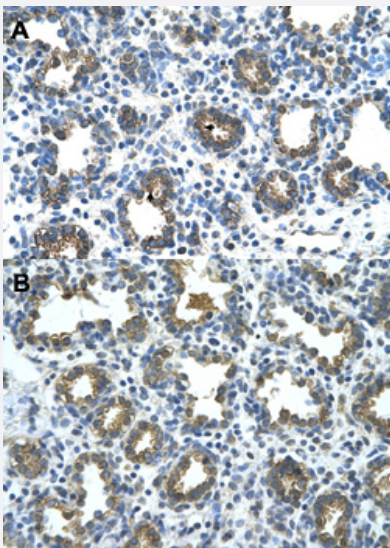
Catalog # PAB30125      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western Blot analysis of HepG2 cell lysate with GUSB polyclonal antibody (Cat # PAB30125) at 2.5 ug/mL working concentration.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lung (A, B) with GUSB polyclonal antibody (Cat # PAB30125) at 4-8 ug/mL working concentration.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of human GUSB.
<b>Immunogen</b>	A synthetic peptide corresponding to C-terminus of human GUSB.
<b>Sequence</b>	VLGNKKGIFTRQRQPKSAAFLLRERYWKIANETRYPHSVAKSQCLENSPF
<b>Host</b>	Rabbit

Theoretical MW (kDa)	72
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (4-8 ug/mL) Western Blot (2.5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (2% sucrose, 0.09% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western Blot analysis of HepG2 cell lysate with GUSB polyclonal antibody (Cat # PAB30125) at 2.5 ug/mL working concentration.

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## Gene Info — GUSB

Entrez GeneID	<a href="#">2990</a>
GeneBank Accession#	<a href="#">NM_000181</a>
Protein Accession#	<a href="#">NP_000172:P08236</a>
Gene Name	GUSB
Gene Alias	FLJ39445, MPS7
Gene Description	glucuronidase, beta
Omim ID	<a href="#">253220</a> <a href="#">611499</a>

## 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 (Shibley 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

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## 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](#)