

**GUSB Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP9348c****Specification**

---

**GUSB Antibody (Center) - Product Information**

Application	<b>WB, IHC-P, FC,E</b>
Primary Accession	<a href="#">P08236</a>
Other Accession	<a href="#">Q4FAT7</a>
Reactivity	<b>Human, Mouse</b>
Predicted	<b>Pig</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Antigen Region	<b>335-362</b>

**GUSB Antibody (Center) - Additional Information****Gene ID** 2990**Other Names**

Beta-glucuronidase, Beta-G1, GUSB

**Target/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.

**Dilution**WB~~1:4000  
IHC-P~~1:100  
FC~~1:10~50**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.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

GUSB Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**GUSB Antibody (Center) - Protein Information****Name** GUSB

**Function** Plays an important role in the degradation of dermatan and keratan sulfates.

**Cellular Location**

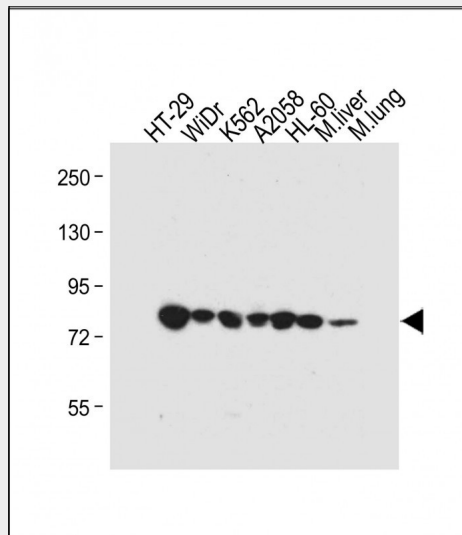
Lysosome.

**GUSB Antibody (Center) - Protocols**

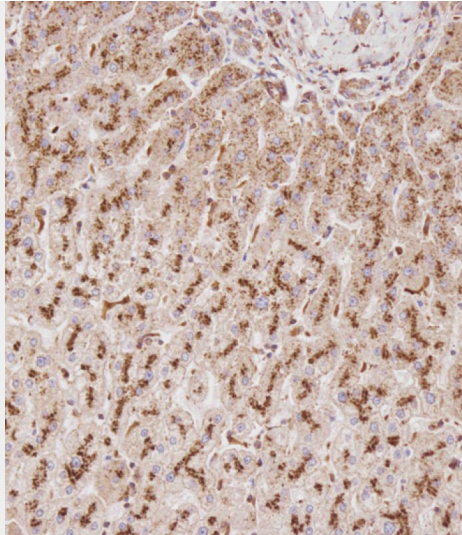
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

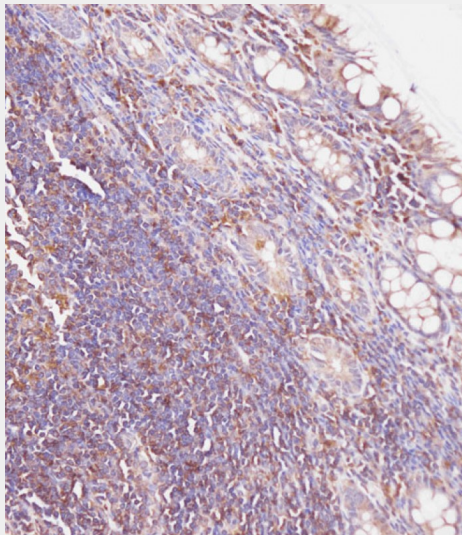
**GUSB Antibody (Center) - Images**



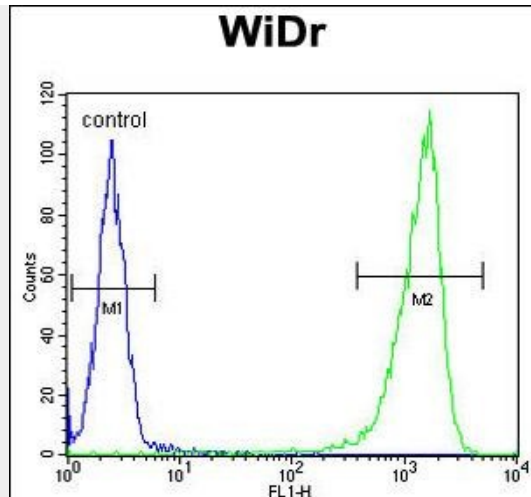
All lanes : Anti-GUSB Antibody (Center) at 1:4000 dilution Lane 1: HT-29 whole cell lysate Lane 2: WiDr whole cell lysate Lane 3: K562 whole cell lysate Lane 4: A2058 whole cell lysate Lane 5: HL-60 whole cell lysate Lane 6: Mouse liver tissue lysate Lane 7: Mouse lung tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 75 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Immunohistochemical analysis of AP9348C on paraffin-embedded Human liver tissue. Tissue was fixed with formaldehyde at room temperature. Heat induced epitope retrieval was performed by EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:100) for 1 hour at room temperature. Undiluted CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



Immunohistochemical analysis of AP9348C on paraffin-embedded Human colon carcinoma tissue. Tissue was fixed with formaldehyde at room temperature. Heat induced epitope retrieval was performed by EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:100) for 1 hour at room temperature. Undiluted CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



GUSB Antibody (Center) (Cat. #AP9348c) 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.

**GUSB Antibody (Center) - Background**

The GUSB gene encodes beta-glucuronidase (EC 3.2.1.31), a lysosomal hydrolase involved in the stepwise degradation of glucuronic acid-containing glycosaminoglycans (Shiple 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).

**GUSB Antibody (Center) - References**

- Tomatsu, S. Hum. Mutat. 30 (4), 511-519 (2009)
- Romanowski, T. Med. Sci. Monit. 14 (7), BR147-BR152 (2008)
- Gratz, M. Pharmacogenet. Genomics 15 (12), 875-881 (2005)