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GUSB Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP9348c

Specification

GUSB Antibody (Center) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	P08236
Other Accession	Q4FAT7
Reactivity	**Human, Mouse**
Predicted	**Pig**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**335-362**

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.

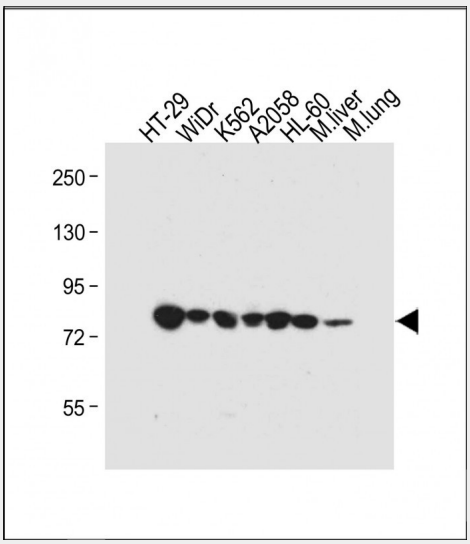
Cellular Location
Lysosome.

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 Cytomety
- 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.

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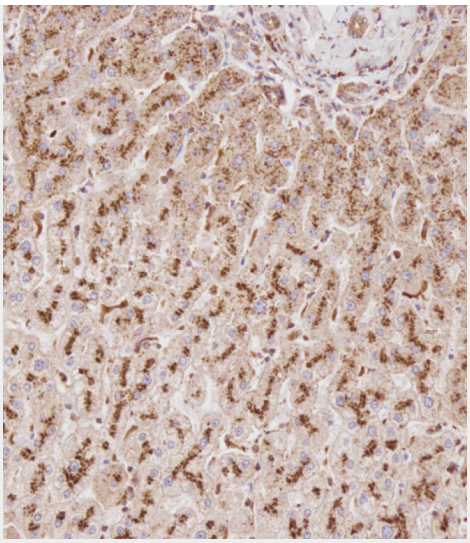
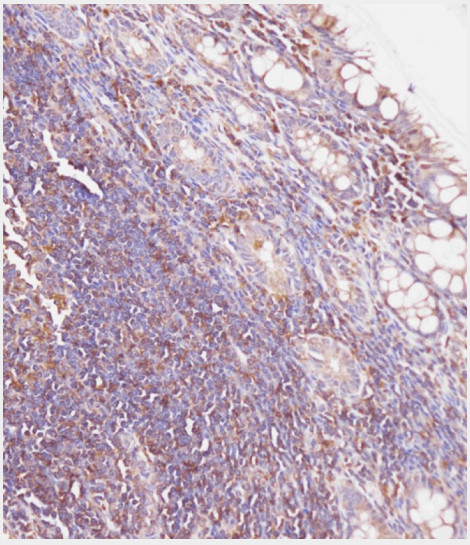


Immunohistochemical analysis of AP9348C on paraffin-embedded Human liver tissue. Tissue was fixed with formaldehyde at room temperature. Heat induced epitope retrieval was performed by EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:100) for 1 hour at room temperature. Undiluted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

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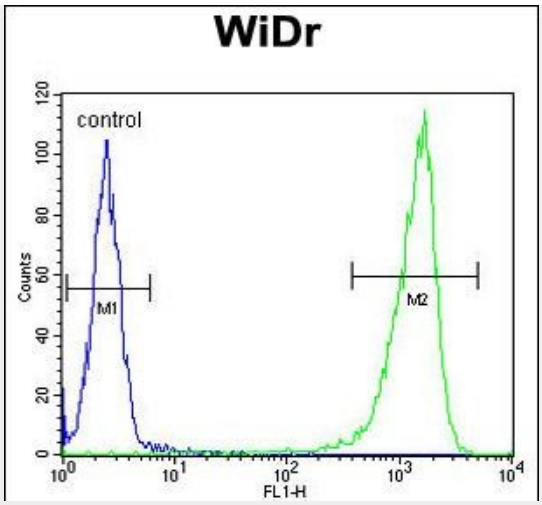

GUSB Antibody (Center) (Cat. #AP9348c) flow cytometric analysis of WiDr cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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 (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).

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)