

For Research Use Only

GUSB Polyclonal antibody

Catalog Number: 16332-1-AP

Featured Product

6 Publications



Basic Information

| | | |
|---|--|--|
| Catalog Number: 16332-1-AP | GenBank Accession Number: BC014142 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 700 µg/ml by Nanodrop; | GeneID (NCBI): 2990 | Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200 |
| Source: Rabbit | UNIPROT ID: P08236 | |
| Isotype: IgG | Full Name: glucuronidase, beta | |
| Immunogen Catalog Number: AG9453 | Calculated MW: 651 aa, 75 kDa | |
| | Observed MW: 78 kDa | |

Applications

Tested Applications:
IHC, WB, ELISA

Cited Applications:
IHC, WB

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HEK-293T cells, mouse liver tissue, HL-60 cells, mouse heart tissue, K-562 cells, rat liver tissue

IHC : human colon cancer tissue, human skin cancer tissue

Background Information

The GUSB gene encodes beta-glucuronidase, a lysosomal hydrolase involved in the stepwise degradation of glucuronic acid-containing glycosaminoglycans. It is a tetrameric glycoprotein composed of identical subunits. GUSB plays an important role in the degradation of dermatan and keratan sulfates. GUSB has two isoforms with the molecular mass of 75 kDa and 69 kDa, and it always can be detected as 78 kDa, 60 kDa and 18 kDa. The 60 kDa and 18 kDa polypeptides are derived by nicking 78-kDa GUSB subunit at Val159-Gly160 (PMID: 1311180, 9268591).

Notable Publications

| Author | Pubmed ID | Journal | Application |
|------------------|-----------|-------------------|-------------|
| Timothy D Martin | 34529489 | Science | WB |
| Ishisaka Akari A | 24260490 | PLoS One | WB |
| Kenji Yamaguchi | 32511980 | J Invest Dermatol | IHC |

Storage

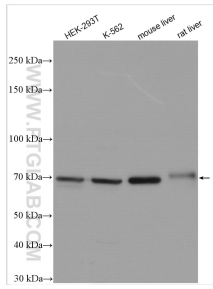
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

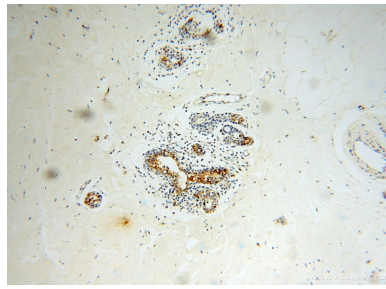
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

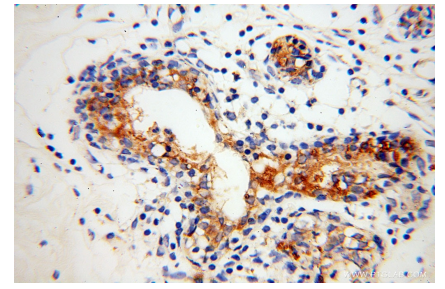
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16332-1-AP (GUSB antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 16332-1-AP (GUSB antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer using 16332-1-AP (GUSB antibody) at dilution of 1:50 (under 40x lens).