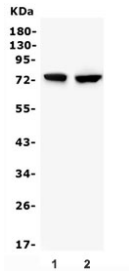
Gusb Antibody / Beta Glucuronidase (RQ5612)

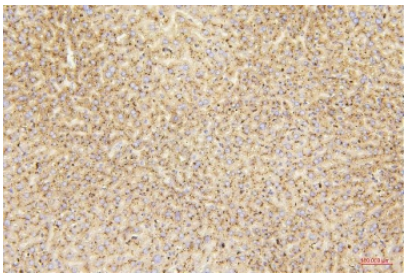
Catalog No.	Formulation	Size
RQ5612	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

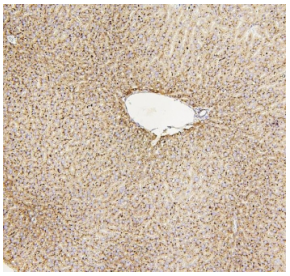
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P12265
Applications	Western blot: 0.25-0.5ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This Gusb antibody is available for research use only.



Western blot testing of 1) rat liver and 2) mouse liver lysate with Gusb antibody. Expected molecular weight: 68-75 kDa, also seen as dimers and tetramers.



IHC staining of FFPE mouse liver with Gusb antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



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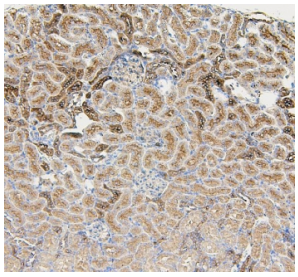
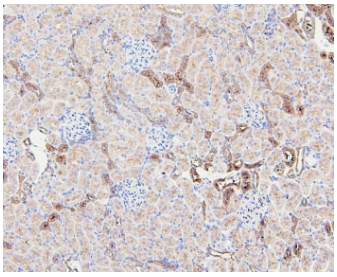


IHC staining of FFPE rat kidney with Gusb antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



IHC staining of FFPE rat kidney with Gusb antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.

Description

Beta-glucuronidases are members of the glycosidase family of enzymes that catalyze breakdown of complex carbohydrates. This gene encodes a hydrolase that degrades glycosaminoglycans, including heparan sulfate, dermatan sulfate, and chondroitin-4,6-sulfate. The enzyme forms a homotetramer that is localized to the lysosome. Mutations in this gene result in mucopolysaccharidosis type VII. Alternative splicing results in multiple transcript variants. There are many pseudogenes of this locus in the human genome.

Application Notes

Optimal dilution of the Gusb antibody should be determined by the researcher.

Immunogen

A mouse recombinant protein (amino acids R122-E575) was used as the immunogen for the Gusb antibody.

Storage

After reconstitution, the Gusb antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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