


Anti-beta glucuronidase (GUSB) antibody ab136860

[1 References](#) [1 Image](#)

Overview

Product name	Anti-beta glucuronidase (GUSB) antibody
Description	Rabbit polyclonal to beta glucuronidase (GUSB)
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide derived from internal amino acids of Human beta glucuronidase (GUSB).
Positive control	COLO205 cell lysate.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.88% Sodium chloride PBS is without Mg ²⁺ and Ca ²⁺
Purity	Immunogen affinity purified
Purification notes	ab136860 was affinity-purified from rabbit antiserum by immunogenic peptide affinity-chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab136860 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/1000. Predicted molecular weight: 75 kDa.

Target

Function

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

Involvement in disease

Defects in GUSB are the cause of mucopolysaccharidosis type 7 (MPS7) [MIM:253220]; also known as Sly syndrome. MPS7 is an autosomal recessive lysosomal storage disease characterized by inability to degrade glucuronic acid-containing glycosaminoglycans. The phenotype is highly variable, ranging from severe lethal hydrops fetalis to mild forms with survival into adulthood. Most patients with the intermediate phenotype show hepatomegaly, skeletal anomalies, coarse facies, and variable degrees of mental impairment.

Note=Mucopolysaccharidosis type 7 is associated with non-immune hydrops fetalis, a generalized edema of the fetus with fluid accumulation in the body cavities due to non-immune causes. Non-immune hydrops fetalis is not a diagnosis in itself but a symptom, a feature of many genetic disorders, and the end-stage of a wide variety of disorders.

Sequence similarities

Belongs to the glycosyl hydrolase 2 family.

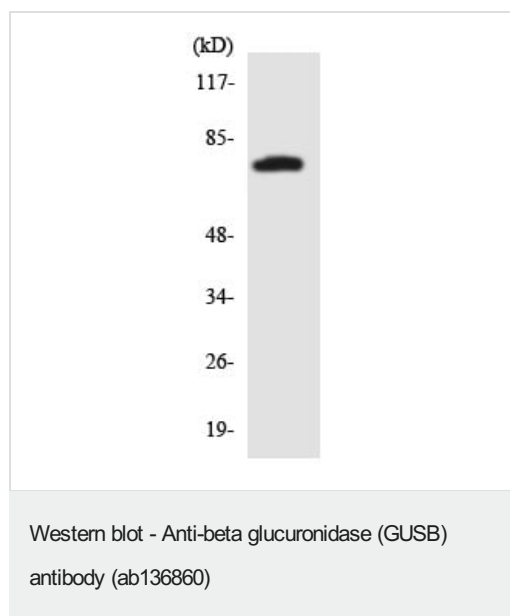
Post-translational modifications

N-linked glycosylated with 3 to 4 oligosaccharide chains.

Cellular localization

Lysosome.

Images



Anti-beta glucuronidase (GUSB) antibody (ab136860) at 1/500 dilution + COLO205 cell lysate at 30 µg

Predicted band size: 75 kDa

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