

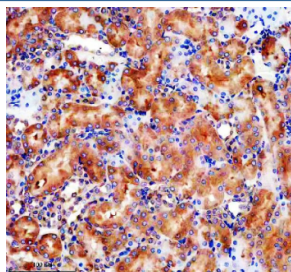
## GLB1 Antibody / Beta galactosidase [clone 25G11] (RQ8918)

Catalog No.	Formulation	Size
RQ8918	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

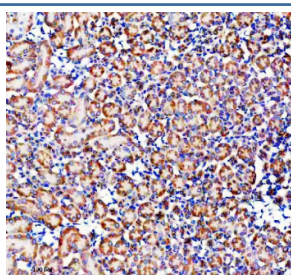
Recombinant **RABBIT MONOCLONAL**

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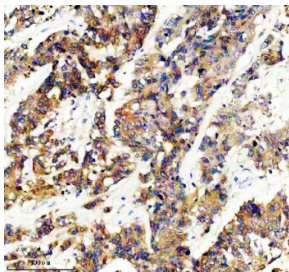
Availability	1-3 days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	25G11
Purity	Affinity chromatography
UniProt	P16278
Localization	Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1:50
Limitations	This GLB1 antibody is available for research use only.



IHC staining of FFPE rat kidney tissue with GLB1 antibody, HRP-secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE mouse kidney tissue with GLB1 antibody, HRP-secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human colon cancer tissue with GLB1 antibody, HRP-secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

## Description

GLB1 (Beta-galactosidase) is a lysosomal hydrolase that catalyzes the breakdown of terminal beta-galactosides into monosaccharides. This enzyme is critical for the proper degradation of glycolipids, glycoproteins, and glycosaminoglycans. Researchers commonly use a GLB1 antibody to study lysosomal function and carbohydrate metabolism.

Deficiency of GLB1 activity is associated with lysosomal storage disorders such as GM1 gangliosidosis and Morquio B disease. These conditions highlight the importance of GLB1 in cellular homeostasis and human health. Employing a GLB1 antibody enables detection of protein expression and activity in both normal physiology and disease contexts.

NSJ Bioreagents provides a high-quality GLB1 antibody validated for applications including western blot, immunohistochemistry, and immunofluorescence. Using a GLB1 antibody ensures sensitive and reproducible results for studies of lysosomal biology, enzymatic function, and inherited metabolic disorders.

## Application Notes

Optimal dilution of the GLB1 antibody should be determined by the researcher.

## Immunogen

A peptide sequence specific to Beta galactosidase protein was used as the immunogen for the GLB1 antibody.

## Storage

After reconstitution, the GLB1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.