

# Glucosylceramidase beta (GBA) Rabbit mAb

Catalog No.: A19057 **Recombinant**

## Basic Information

### Observed MW

60kDa

### Calculated MW

60kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P

### Cross-Reactivity

Human, Rat

### CloneNo number

ARC0500

## Background

This gene encodes a lysosomal membrane protein that cleaves the beta-glucosidic linkage of glycosylceramide, an intermediate in glycolipid metabolism. Mutations in this gene cause Gaucher disease, a lysosomal storage disease characterized by an accumulation of glucocerebrosides. A related pseudogene is approximately 12 kb downstream of this gene on chromosome 1. Alternative splicing results in multiple transcript variants.

## Recommended Dilutions

**WB** 1:500 - 1:2000

**IHC-P** 1:50 - 1:200

## Immunogen Information

### Gene ID

2629

### Swiss Prot

P04062

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 437-536 of human Glucosylceramidase beta (GBA) (P04062).

### Synonyms

GBA; GCB; GLUC; Glucosylceramidase beta (GBA)

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

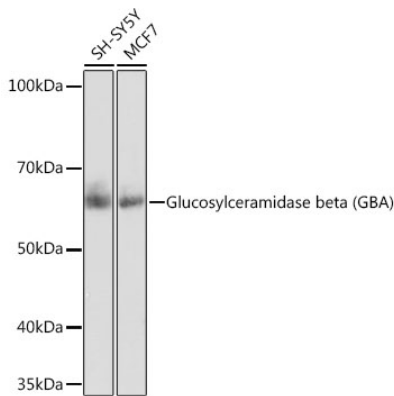
Affinity purification

### Storage

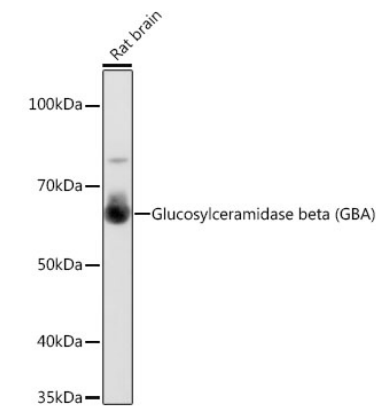
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

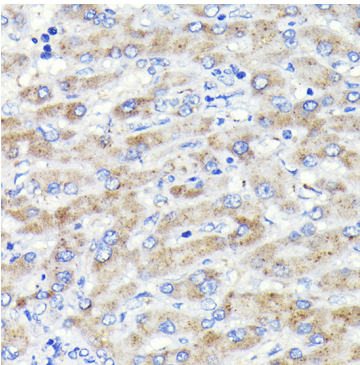
Validation Data



Western blot analysis of various lysates using Glucosylceramidase beta (GBA) Rabbit mAb (A19057) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 10s.



Western blot analysis of lysates from Rat brain, using Glucosylceramidase beta (GBA) Rabbit mAb (A19057) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 3min.



Immunohistochemistry analysis of paraffin-embedded human liver using Glucosylceramidase beta (Glucosylceramidase beta (GBA)) Rabbit mAb (A19057) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.