

Glucosylceramidase beta (GBA) (AB3604) Rabbit mAb

M0575

Key Features

Host Species

- Rabbit

Reactivity

- Human, Rat

Applications

- WB, IHC-P, ELISA

MW

- 60 kDa (calculated)
- 60 kDa (observed)

Isotype

- IgG

Recommended Dilution Ratios

Application

WB, IHC-P, ELISA

Dilution

WB, 1:1000-1:2000 | IHC-P, 1:100-1:500 | ELISA, Recommended starting concentration is 1 μ g/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

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

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.02% sodium azide.

Basic Information

Clonality Monoclonal

Clone Number AB3604

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

Specificity This antibody detects endogenous levels of Glucosylceramidase beta (GBA) protein.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name GBA1

Protein Name Glucosylceramidase beta (GBA)

| Database Link | Organism | Swiss Prot. | Gene ID |
|---------------|----------|-------------|---------|
| | Human | P04062 | 2629 |

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.