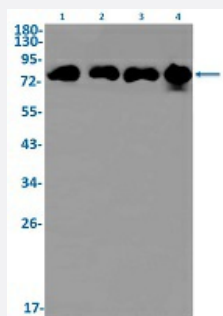


RecomAb™

# GLB1 recombinant monoclonal antibody, clone R01-3G1

Catalog # RAB02255      Size 100 uL

## Applications



### Western Blot

Western Blot analysis of Lane 1: K562, Lane 2: C6, Lane 3: 3T3 and Lane 4: HeLa lysates with GLB1 recombinant monoclonal antibody, clone R01-3G1 (Cat # RAB02255).

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human GLB1.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against a synthetic peptide corresponding to human GLB1.
<b>Theoretical MW (kDa)</b>	Calculated MW: 76 kD
<b>Reactivity</b>	Human, Mouse, Rat
<b>Form</b>	Liquid
<b>Purification</b>	Affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

**Storage Instruction**

Store at -20 °C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot

Western Blot analysis of Lane 1: K562, Lane 2: C6, Lane 3: 3T3 and Lane 4: Hela lysates with GLB1 recombinant monoclonal antibody, clone R01-3G1 (Cat # RAB02255).

## Gene Info — GLB1

Entrez GeneID [2720](#)

Protein Accession# [P16278](#)

Gene Name GLB1

Gene Alias EBP, ELNR1

Gene Description galactosidase, beta 1

Omim ID [230500 611458](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes beta-galactosidase-1, a lysosomal enzyme that hydrolyzes the terminal beta-galactose from ganglioside substrates and other glycoconjugates. Defects in this gene are the cause of GM1-gangliosidosis and Morquio B syndrome. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations** elastin receptor 1, 67kDa

## Pathway

- [Galactose metabolism](#)
- [Glycosaminoglycan degradation](#)
- [Glycosphingolipid biosynthesis - ganglio series](#)
- [Lysosome](#)

- [Metabolic pathways](#)
- [Other glycan degradation](#)
- [Sphingolipid metabolism](#)

## Disease

- [Tobacco Use Disorder](#)