

Anti-Beta-galactosidase, Human IgG1 Antibody
Catalog # ABV11798**Specification**

Anti-Beta-galactosidase, Human IgG1 Antibody - Product Information

Application	WB, FC
Primary Accession	P16278
Host	Recombinant
Clonality	Monoclonal
Isotype	Human IgG1, lambda
Calculated MW	76075

Anti-Beta-galactosidase, Human IgG1 Antibody - Additional Information**Gene ID** 2720**Alias Symbol** **GLB1****Other Names**beta-gal; Acid beta galactosidase; Beta galactosidase 1; β -galactosidase; β -gal; EBP; ELNR1;
Galactosidase beta 1; GLB1; MPS4B**Appearance**

Colorless liquid

Formulation200 μ g affinity purified human antibody in phosphate-buffered saline (PBS) containing 0.02%
Proclin 300**Reconstitution & Storage**

-20 °C

Background Descriptions**Precautions**Anti-Beta-galactosidase, Human IgG1 Antibody is for research use only and not for use in
diagnostic or therapeutic procedures.**Anti-Beta-galactosidase, Human IgG1 Antibody - Protein Information****Name** GLB1**Synonyms** ELNR1**Function**[Isoform 1]: Cleaves beta-linked terminal galactosyl residues from gangliosides, glycoproteins, and
glycosaminoglycans.

Cellular Location

[Isoform 1]: Lysosome

Tissue Location

Detected in placenta (at protein level) (PubMed:8383699). Detected in fibroblasts and testis (PubMed:2511208)

Anti-Beta-galactosidase, Human IgG1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Beta-galactosidase, Human IgG1 Antibody - Images**Anti-Beta-galactosidase, Human IgG1 Antibody - Background**

Cleaves beta-linked terminal galactosyl residues from gangliosides, glycoproteins, and glycosaminoglycans. Isoform 2 has no beta-galactosidase catalytic activity, but plays functional roles in the formation of extracellular elastic fibers (elastogenesis) and in the development of connective tissue. Seems to be identical to the elastin-binding protein (EBP), a major component of the non-integrin cell surface receptor expressed on fibroblasts, smooth muscle cells, chondroblasts, leukocytes, and certain cancer cell types. In elastin producing cells, associates with tropoelastin intracellularly and functions as a recycling molecular chaperone which facilitates the secretions of tropoelastin and its assembly into elastic fibers