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Anti-Beta-galactosidase, Human IgG1 Antibody

Catalog # ABV11798

Product Information

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

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
Formulation	200 □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.

Protein Information

Name	GLB1 (HGNC:4298)
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)

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.