GLB1 Antibody

Catalog No: #34494

Package Size: #34494-1 50ul #34494-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

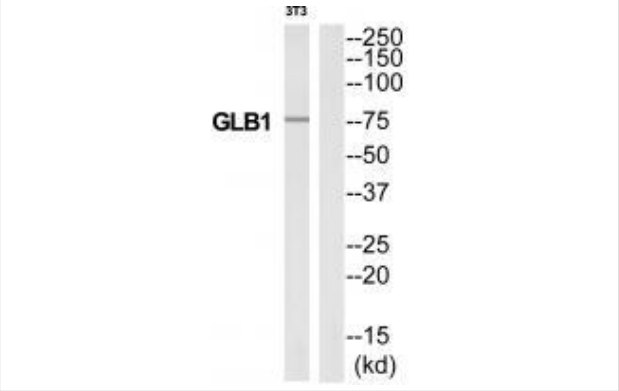
Description

Product Name	GLB1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total GLB1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human GLB1.
Target Name	GLB1
Other Names	Beta-galactosidase; EC=3.2.1.23; Acid beta-galactosidase; Lactase; Elastin receptor 1
Accession No.	Swiss-Prot: P16278NCBI Gene ID: 2720
Uniprot	P16278
GeneID	2720;
SDS-PAGE MW	76kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

Images



Western blot analysis of extracts from 3T3 cells, using GLB1 antibody #34494.

Background

Cleaves beta-linked terminal galactosyl residues from gangliosides, glycoproteins, and glycosaminoglycans. soform 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.

Oshima A., Biochem. Biophys. Res. Commun. 157:238-244(1988) [PubMed: 3143362].

Morreau H., J. Biol. Chem. 264:20655-20663(1989) [PubMed: 2511208].

Yamamoto Y., DNA Cell Biol. 9:119-127(1990) [PubMed: 2111707].

Note: This product is for in vitro research use only