

Galactosidase alpha (GLA) Rabbit pAb

Catalog No.: A1700 2 Publications

Basic Information

Observed MW

49kDa

Calculated MW

49kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC

Cross-Reactivity

Human, Mouse

Background

This gene encodes a homodimeric glycoprotein that hydrolyses the terminal alpha-galactosyl moieties from glycolipids and glycoproteins. This enzyme predominantly hydrolyzes ceramide trihexoside, and it can catalyze the hydrolysis of melibiose into galactose and glucose. A variety of mutations in this gene affect the synthesis, processing, and stability of this enzyme, which causes Fabry disease, a rare lysosomal storage disorder that results from a failure to catabolize alpha-D-galactosyl glycolipid moieties.

Recommended Dilutions

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:100

Immunogen Information

Gene ID

2717

Swiss Prot

P06280

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 150-429 of human Galactosidase alpha (Galactosidase alpha (GLA)) (NP_000160.1).

Synonyms

GALA; Galactosidase alpha (GLA)

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

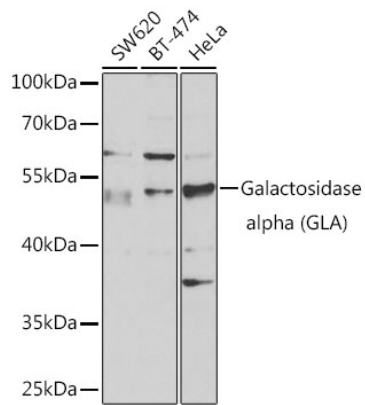
Affinity purification

Storage

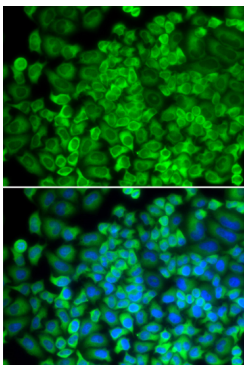
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using Galactosidase alpha (Galactosidase alpha (GLA)) antibody (A1700) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 30s.



Immunofluorescence analysis of HeLa cells using Galactosidase alpha (Galactosidase alpha (GLA)) antibody (A1700). Blue: DAPI for nuclear staining.