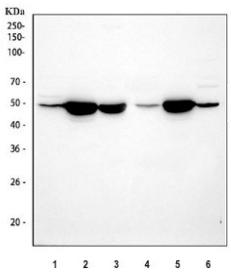
Gla Antibody / Galactosidase alpha (R32602)

Catalog No.	Formulation	Size
R32602	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P51569
Applications	Western Blot : 0.5-1ug/ml
Limitations	This Gla antibody is available for research use only.



Western blot testing of 1) rat liver, 2) rat brain, 3) rat C6, 4) mouse liver, 5) mouse brain and 6) mouse NIH 3T3 cell lysate with Gla antibody at 0.5ug/ml. Predicted molecular weight ~48 kDa.

Description

Alpha-galactosidase is a glycoside hydrolase enzyme that encoded by the GLA gene. This gene is 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.

Application Notes

Optimal dilution of the Gla antibody should be determined by the researcher.

Immunogen

Amino acids 218-275 (DIQYYCNHWRNFDDVYDSWESIKNILSWTVVYQKEIVEVA-mouse) were used as the immunogen for the Gla antibody.

Storage

After reconstitution, the Gla antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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