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Product datasheet for AP17424PU-N

Galactosidase alpha (GLA) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1/50 - 1/100. ELISA: 1/1,000. Immunohistochemistry on paraffin sections: 1/50 - 1/100.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 90~120 amino acids from the N-terminal region of human GLA
Specificity:	This antibody detects GLA at N-term.
Formulation:	PBS with 0.09% (W/V) sodium azide as preservative State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	Homo sapiens galactosidase alpha (GLA)
Database Link:	Entrez Gene 2717 Human P06280
Background:	GLA 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.

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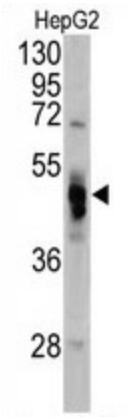
Synonyms: Alpha-D-galactosidase A, Melibiase

Note: Molecular weight: 48767 Da

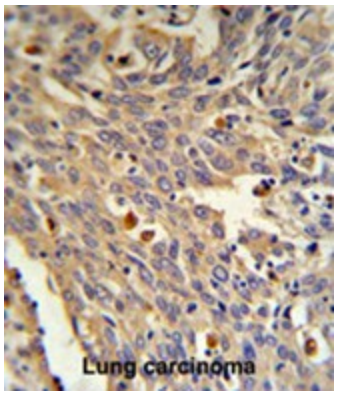
Protein Families: Druggable Genome

Protein Pathways: Galactose metabolism, Glycerolipid metabolism, Glycosphingolipid biosynthesis - globo series, Lysosome, Sphingolipid metabolism

Product images:



Western blot analysis of GLA antibody (N-term) in Hela cell line lysates (35 ug/lane). GLA (arrow) was detected using the purified Pab.



GLA Antibody (N-term) IHC analysis in formalin fixed and paraffin embedded human Lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GLA Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.