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Galactosidase alpha Rabbit mAb

Catalog # AP75470

Product Information

Application	WB, IHC-P, FC, IP
Primary Accession	P06280
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	48767

Additional Information

Gene ID	2717
Other Names	GLA
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A FC~~1:50-1:100 IP~~1:10-1:100
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

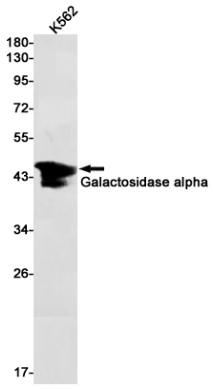
Protein Information

Name	GLA (HGNC:4296)
Function	Catalyzes the hydrolysis of glycosphingolipids and participates in their degradation in the lysosome.
Cellular Location	Lysosome.

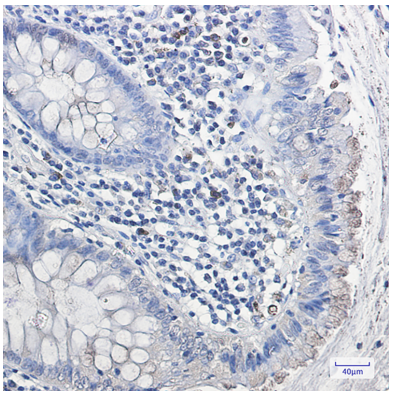
Background

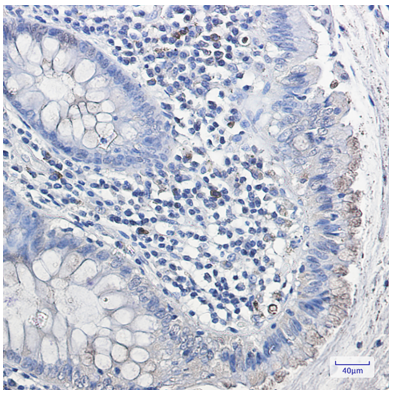
This gene encodes a homodimeric glycoprotein that hydrolyses the terminal alpha-galactosyl moieties from glycolipids and glycoproteins. This enzyme predominantly hydrolyzes ceramide trihexoside, and it can catalyze the hydrolysis of melibiose into galactose and glucose. A variety of mutations in this 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.

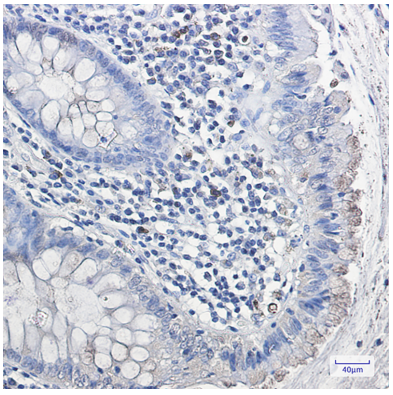
Images



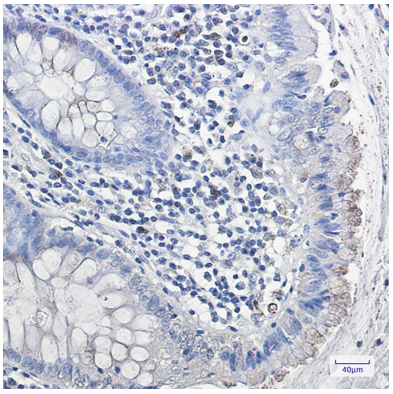
Western blot analysis of Galactosidase alpha in K562 lysates using Galactosidase alpha antibody.







Immunohistochemistry analysis of paraffin-embedded Human colon cancer using Galactosidase alpha antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



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