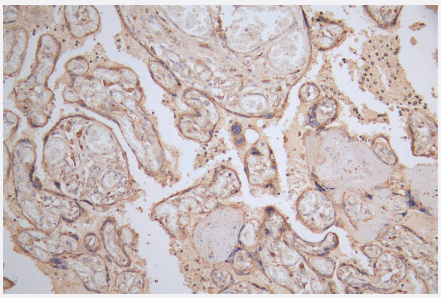
RecomAb™

GAA recombinant monoclonal antibody, clone 5E5

Catalog # RAB07675 Size 100 uL

Applications



Immunohistochemistry

Immunohistochemistry image of GAA recombinant monoclonal antibody, clone 5E5 diluted at 1:50 and staining in paraffin-embedded human placenta tissue performed on a Leica BondTM system.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human GAA.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human GAA.
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry(1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.

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Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — GAA

Entrez GeneID	2548
Protein Accession#	P10253
Gene Name	GAA
Gene Alias	LYAG
Gene Description	glucosidase, alpha; acid
Omim ID	232300 606800
Gene Ontology	Hyperlink
Gene Summary	This gene encodes acid alpha-glucosidase, which is essential for the degradation of glycogen to glucose in lysosomes. Different forms of acid alpha-glucosidase are obtained by proteolytic proc essing. Defects in this gene are the cause of glycogen storage disease II, also known as Pompe' s disease, which is an autosomal recessive disorder with a broad clinical spectrum. Three transcr ipt variants encoding the same protein have been found for this gene. [provided by RefSeq
Other Designations	acid alpha-glucosidase|acid maltase|alpha-glucosidase|glycogen storage disease type II|lysosom al alpha-glucosidase

Pathway

- Galactose metabolism
- Lysosome
- Metabolic pathways

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- Starch and sucrose metabolism

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Glycogen Storage Disease Type II
- Heart Diseases

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