Datasheet for ABIN1712134

anti-GAA antibody (AA 541-640) (HRP)

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Overview

Quantity:	100 µL
Target:	GAA
Binding Specificity:	AA 541-640
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GAA antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GAA/Glucosidase alpha
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Sheep,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	GAA
Alternative Name:	GAA (GAA Products)

Target Details

Background:	Synonyms: 70 kDa lysosomal alpha-glucosidase, Acid alpha glucosidase, Acid maltase, Aglucosidase alfa, Alpha glucosidase, GAA, Glucosidase alpha acid Pompe disease glycogen storage disease type II, Glucosidase alpha acid, Glucosidase alpha, LYAG, LYAG_HUMAN, Lysosomal alpha glucosidase. Background: 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 processing. 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 transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008].
Gene ID:	2548
UniProt:	P10253
Pathways:	Cellular Glucan Metabolic Process

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	-20 °C

Handling

Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

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