

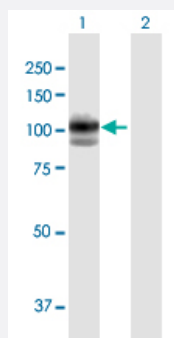
MaxPab®

GAA purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00002548-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of GAA expression in transfected 293T cell line ([H00002548-T01](#)) by GAA MaxPab polyclonal antibody.

Lane 1: GAA transfected lysate (104.72 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human GAA protein.

Immunogen

GAA (P10253, 1 a.a. ~ 952 a.a) full-length human protein.

Sequence

MGVRHPPCSHRLAVCALVSLATAALLGHILLHDFLLVPRELSGSSPVLEETHPAHQQGASRPGP
RDAQAHGPRPRAVPTQCDVPPNSRFDCAPDKAITQECCARGCCYIPAKQGLQGAQMGPWC
FFPPSYPSYKLENLSSSEMGTATLTRTPTFFPKDILTRLDMMETENRLHFTIKDPANRRYEVP
LETPRVHSRAPSPLYSVEFSEEPFGVIVHRQLDGRVLLNTTVAPLFFADQFLQLSTSLPSQYITGLA
EHLSPMLSTSWTRITLWNRDLAPTPGANLYGSHPFYLAEDGGSAGVFLNLSNAMDVVLQPSP
ALSWRSTGGILDVYIFLGPEPKSVVQQYLDVVGYPFMPPYWGLGFHLCRWGYSSTAIRQVVENM
TRAHFPLDVQWNDLDYMDSRDFTFNKDGFRDFPAMVQELHQGGRRYMMIVDPAISSSGPAGS
YRPYDEGLRRGVFITNETGQPLIGKVWPGSTAFPDFTNPTALAWWEDMVAEFHDQVPFDGMWID
MNEPSNFIRGSEDGCPNNELENPPYVPGVVGGTLQAATICASSHQFLSTHYNLHNLGLTEAASH
RALVKARGTRPFVISRSTFAGHGGRYAGHWTGDVWSSWEQLASSVPEILQFNLLGVPLVGADVCG
FLGNTSEELCVRWTLGAFYPMRNHNSLLSLPQEPYSFSEPAQQAMRKALTRYALLPHLYTLF
HQAHVAGETVARPLFLEFPKDSSTWTVDHQLLWGEALLITPVLQAGKAEVTGYFPLGTWYDLQTV
PIEALGSLPPPPAAPREPAIHSEGWVTLPAPLDTINVHLRAGYIPLQGPGLTTESRQQPMALAV
ALTKGGEARGELFWDDGESLEVLERGAYTQVIFLARNTIVNELVRVTSEAGLQLQKVTVLGVA
TAPQQVLSNGVPSNFTYSPDTKVLDICVSLLMGEQFLVSWC

Host

Mouse

Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of GAA expression in transfected 293T cell line ([H00002548-T01](#)) by GAA MaxPab polyclonal antibody.

Lane 1: GAA transfected lysate(104.72 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — GAA

Entrez GeneID	2548
GeneBank Accession#	NM_000152.2
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 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]
Other Designations	acid alpha-glucosidase acid maltase alpha-glucosidase glycogen storage disease type II lysosomal alpha-glucosidase

Publication Reference

- [Uptake of moss-derived human recombinant GAA in Gaa -/- mice.](#)

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Application: WB-Ti, Mouse, Mouse quadriceps muscle

Pathway

- [Galactose metabolism](#)
- [Lysosome](#)
- [Metabolic pathways](#)
- [Starch and sucrose metabolism](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glycogen Storage Disease Type II](#)
- [Heart Diseases](#)