

DNAXPab

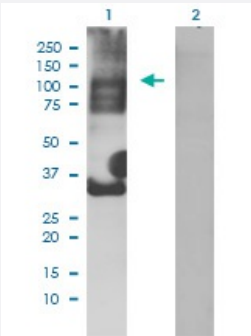
Hard-to-Find Antibody

GAA DNAXPab

Catalog # H00002548-W01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of GAA expression in transfected 293T cell line by GAA DNAXPab polyclonal antibody.

Lane 1: GAA transfected lysate(118.25 KDa).
Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human GAA DNA using DNAX™ Immune technology.
Technology	DNAX™ Immune
Immunogen	GAA (NP_000143.1, 70 a.a. ~ 952 a.a) full-length human DNA
Sequence	AHPGRPRAVPTQCDVPPNSRFDCAPDKAITQEQCEARGCCYIPAKQGLQGAQMGPWCFFPP SYPSYKLENLSSSEMGYTATLTRTPTFFPKDILTLRLDVMMETENRLHFTIKDPANRRYEVPLETP RVHSRAPSPLYSVEFSEEPFGVIVHRQLDGRVLLNTTVAPLFFADQFLQLSTSLPSQYITGLAEHL SPLMLSTSWTRITLWNRDLAPTPGANLYGSHPFYLALEDGGSAGHVFLNNSNAMDVVLQPSPALS WRSTGGILDVYIFLGPEPKSVVQQYLDVVGYPFMPPIYWGFGFHLCRWGYSSAITRQVVENMTRA HFPLDVQWNDLDYMDSRDFTFNKDGFRDFPAMVQELHQGGRRYMMIVDPAISSSGPAGSYRP YDEGLRRGVFITNETGQPLIGKVWPGSTAFDPFTNPTALAWWEDMVAEFHDQVPFDGMWIDMN EPSNFIRGSEDGCPNNELENPPYVPGVVGGLQAATICASSHQFLSTHYNLHNL YGLTEAIA SHRA LVKARGTRPFVISRSTFAGHGRYAGHWTGDDVWSSWEQLASSVPEILQFNLLGVPLVGADVCGFL GNTSEELCVRWTQLGAFYPFMRNHNSLLSLPQEPYSFSEPAQQAMRKALTRYALLPHLYTLFHQ AHVAGETVARPLFLEFPKDSSTWTVDHQLLWGEALLITPVLQAGKAEVTGYFPLGTWYDLQTVPI EALGSLPPPPAAPREPAIHSEGQWVTL PAPLDTINVHLRAGYIPLQGPGLTTTESRQQPMALAAVAL TKGGEARGELFWDDGESLEVLERGAYTQVIFLARNTIVNELVRVTSEGAGLQLQKVTVLGVATA PQQVLSNGVPVSNFTYSPDTKVLDICVSLLMGEQFLVSWC

Host	Rabbit
Reactivity	Human
Purification	Protein A
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.

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[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — GAA

Entrez GeneID	2548
GeneBank Accession#	NM_000152.2
Protein Accession#	NP_000143.1
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

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](#)