

Rabbit GAA Polyclonal Antibody | anti-GAA antibody

GAA antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199401	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Western Blot, Immunohistochemistry

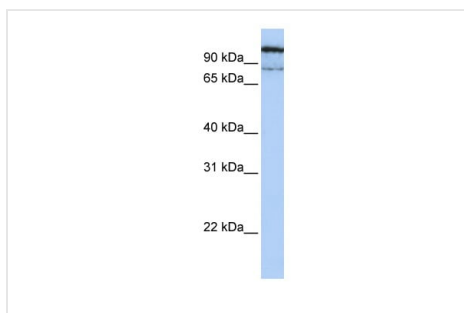
PRODUCT SYNONYMS

GAA; Polyclonal Antibody; GAA antibody - N-terminal region; anti-GAA antibody

PRODUCT SPECIFICATIONS

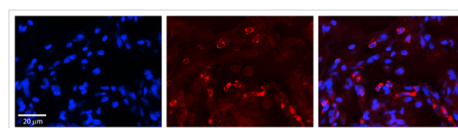
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: FG VIVRRQLDGR VLLNTTVAPL FFADQFLQLS TSLPSQYITG LAEHLSP
Sequence Length	952
Applicable Applications for anti-GAA antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 93%; Human: 100%; Mouse: 100%; Rabbit: 79%; Rat: 100%; Zebrafish: 83%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human GAA
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-GAA Antibody Titration: 0.2-1 ug/ml
 ELISA Titer: 1:62500
 Positive Control: MCF7 cell lysate
 GAA is supported by BioGPS gene expression data to be expressed in MCF7



IHC (Immunohistochemistry)

Rabbit Anti-GAA Antibody
 Formalin Fixed Paraffin Embedded Tissue: Human Lung
 Tissue
 Observed Staining: Cytoplasmic in alveolar type I cells
 Primary Antibody Concentration: 1:100
 Other Working Concentrations: 1/600
 Secondary Antibody: Donkey anti-Rabbit-Cy3
 Secondary Antibody Concentration: 1:200
 Magnification: 20X
 Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-GAA antibody	This is a rabbit polyclonal antibody against GAA. It was validated on Western Blot using a cell lysate as a positive control. Target Description: GAA is 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. 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.
Product Categories/Family for anti-GAA antibody	Polyclonal; Signal Proteins; Membrane Protein; Drugs and Drug Metabolism; Neuroscience; Disease Related

NCBI AND UNIPROT INFORMATION

NCBI GI #	119393891
NCBI GeneID	2548
NCBI Accession #	NP_000143
NCBI GenBank Nucleotide #	NM_000152
UniProt Accession #	P10253
Molecular Weight	98kDa
NCBI Official Full Name	lysosomal alpha-glucosidase preproprotein
NCBI Official Synonym Full Names	glucosidase alpha, acid
NCBI Official Symbol	GAA
NCBI Official Synonym Symbols	LYAG
NCBI Protein Information	lysosomal alpha-glucosidase
UniProt Protein Name	Lysosomal alpha-glucosidase
UniProt Gene Name	GAA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/gaa-antibody-western-blot-immunohistochemistry-elisa/199401>