

Product datasheet for **AP51752PU-N**

GAA (N-term) Rabbit Polyclonal Antibody

Product data:

| | |
|-----------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | ELISA: 1/1000. Western Blot: 1/100-1/500. Immunohistochemistry on Paraffin Sections: 1/10-1/50. |
| Reactivity: | Human |
| Host: | Rabbit |
| Isotype: | Ig |
| Clonality: | Polyclonal |
| Immunogen: | conjugated synthetic peptide between 173-203 amino acids from the N-terminal region of Human Alpha-glucosidase |
| Specificity: | This antibody recognizes Human Alpha-glucosidase (N-term). |
| Formulation: | PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction |
| Concentration: | lot specific |
| Purification: | Protein A column, followed by peptide affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | glucosidase alpha, acid |
| Database Link: | Entrez Gene 2548 Human P10253 |



[View online »](#)

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.

Synonyms:

Acid maltase, Aglucosidase alfa, GAA

Note:

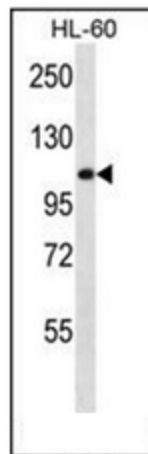
Molecular Weight: 105319 Da

Protein Families:

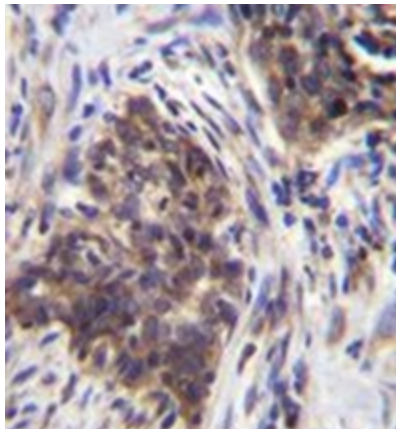
Druggable Genome, Transmembrane

Protein Pathways:

Galactose metabolism, Lysosome, Metabolic pathways, Starch and sucrose metabolism

Product images:

Western blot analysis of Alpha-glucosidase Antibody (N-term) in HL-60 cell line lysates (35ug/lane).



Immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma reacted with Alpha-glucosidase Antibody (N-term) followed by peroxidase conjugation of the secondary antibody and DAB staining.