

Rabbit anti-Human AGL Polyclonal Antibody | anti-AGL antibody

AGL Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284581	Rabbit	Human	Immunofluorescence, ELISA, Western Blot

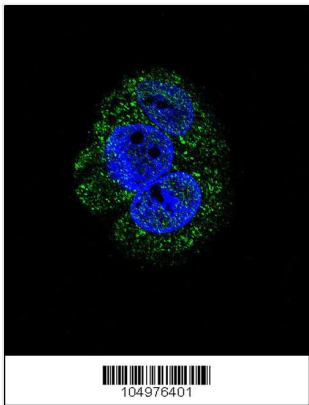
PRODUCT SYNONYMS

AGL; Polyclonal Antibody; AGL Antibody (Center); Glycogen debranching enzyme; Glycogen debrancher; 4-alpha-glucanotransferase; Oligo-1; 4-1; 4-glucantransferase; Amylo-alpha-1; 6-glucosidase; Amylo-1; Dextrin 6-alpha-D-glucosidase; GDE; anti-AGL antibody

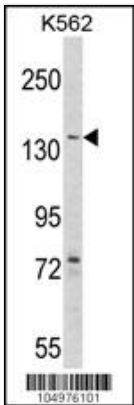
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This AGL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 357-387 amino acids from the Central region of human AGL.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	357-387
Sequence Length	1532
Applicable Applications for anti-AGL antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)
Confocal immunofluorescent analysis of AGL Antibody (Center) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)
Western blot analysis of hAGL-C371 in K562 cell line lysates (35ug/lane). AGL (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-AGL antibody	AGL is a glycogen debrancher enzyme which is involved in glycogen degradation. This enzyme has two independent catalytic activities which occur at different sites on the protein: a 4- α -glucotransferase activity and a amylo-1,6-glucosidase activity. Mutations in the AGL gene are associated with glycogen storage disease although a wide range of enzymatic and clinical variability occurs which may be due to tissue-specific alternative splicing.
Product Categories/Family for anti-AGL antibody	Cancer; Signal Transduction
References	Horinishi, A., et al., J. Hum. Genet. 47(2):55-59 (2002). Bao, Y., et al., Genomics 38(2):155-165 (1996). Yang, B.Z., et al., J. Biol. Chem. 267(13):9294-9299 (1992). Yang-Feng, T.L., et al., Genomics 13(4):931-934 (1992). Bao, Y., et al., Gene 197 (1-2), 389-398 (1997).

NCBI AND UNIPROT INFORMATION

NCBI GI #	116734847
NCBI GeneID	178
NCBI Accession #	NP_000019.2; NP_000633.2; NP_000634.2; NP_000635.2; NP_000636.2; NP_000637.2
NCBI GenBank Nucleotide #	NM_000028.2
UniProt Accession #	P35573; P78354; P78544; Q59H92; Q6AZ90; Q9UF08; A6NCX7; A6NEK2; D3DT51
Molecular Weight	174764
NCBI Official Full Name	glycogen debranching enzyme isoform 1
NCBI Official Synonym Full Names	amylo-alpha-1, 6-glucosidase, 4-alpha-glucanotransferase
NCBI Official Symbol	AGL
NCBI Official Synonym Symbols	GDE
NCBI Protein Information	glycogen debranching enzyme
UniProt Protein Name	Glycogen debranching enzyme
UniProt Gene Name	AGL

UniProt Synonym Gene Names	GDE; Amylo-1,6-glucosidase
UniProt Entry Name	GDE_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/agl-antibody-immunofluorescence-western-blot-elisa/284581>