

Rabbit anti-Human, Mouse Glucosidase II alpha Polyclonal Antibody | anti-GANAB antibody

Glucosidase II alpha Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322525	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

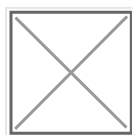
PRODUCT SYNONYMS

Glucosidase II alpha; Polyclonal Antibody; Glucosidase II alpha Antibody; Alpha glucosidase II alpha subunit; Alpha-glucosidase 2; G2AN; GANAB; GANAB_HUMAN; Glu II; Glucosidase alpha neutral AB; Glucosidase II subunit alpha; GluII; KIAA0088; Neutral alpha glucosidase AB; Neutral alpha glucosidase AB precursor; Neutral alpha-glucosidase AB; anti-GANAB antibody

PRODUCT SPECIFICATIONS

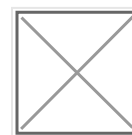
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Glucosidase II alpha antibody detects endogenous levels of total Glucosidase II alpha
Purity/Purification	Peptide affinity purification
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	852
Applicable Applications for anti-GANAB antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Glucosidase II alpha, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA322525 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis Glucosidase II alpha using LOVO whole cell lysates



IF (Immunofluorescence)

AAA322525 staining LOVO cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GANAB antibody	Function: Cleaves sequentially the 2 innermost alpha-1, 3-linked glucose residues from the Glc2Man9GlcNAc2 oligosaccharide precursor of immature glycoproteins (PubMed:10929008). Required for PKD1/Polycystin-1 and PKD2/Polycystin-2 maturation and localization to the cell surface and cilia (PubMed:27259053). Subunit Structure: Heterodimer of a catalytic alpha subunit (GANAB) and a beta subunit (PRKCSH). Binds glycosylated PTPRC (By similarity). Similarity: Belongs to the glycosyl hydrolase 31 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	499589572
NCBI GeneID	23193
NCBI Accession #	NP_001265121.1
NCBI GenBank Nucleotide #	NM_001278192.1
UniProt Accession #	Q14697; Q8WTS9; Q9P0X0; A6NC20
Molecular Weight	107 kDa
NCBI Official Full Name	neutral alpha-glucosidase AB isoform 4
NCBI Official Synonym Full Names	glucosidase II alpha subunit
NCBI Official Symbol	GANAB
NCBI Official Synonym Symbols	G2AN; GIIA; PKD3; GLUII
NCBI Protein Information	neutral alpha-glucosidase AB
UniProt Protein Name	Neutral alpha-glucosidase AB
UniProt Gene Name	GANAB

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/glucosidase-ii-alpha-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/322525>