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Glucosidase IIa Polyclonal Antibody

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Polyclonal, Rabbit, IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000 IF 1:50-200 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms GANAB; G2AN; KIAA0088; Neutral alpha-glucosidase AB; Alpha-glucosidase 2; Glucosidase II subunit alpha Observed Band 107kD Cell Pathway Endoplasmic reticulum. Golgi apparatus. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV. Tissue Specificity Detected in placenta (PubMed:3881423). Isoform 1 and isoform 2 are expressed in the kidney and liver (PubMed:27259053). Function catalytic activity:Hydrolysis of terminal (1->3)-alpha-D-glucosidic links in (1->3)-alpha-D-glucans, function:Cleaves sequentially the 2 innermost alpha-1,3-linked glucose residues from the Glc(2)Man(9)GlcNAc(2) oligosaccharide precursor of immature glycoproteins, pathway: Glycan metabolism; N-glycan metabolism; similarity:Belongs to the glycosyl hydrolase 31 family., subcellular location:Identified by mass spectrometry in melanosome fractions from stage I to stage IV., subunit:Heterodimer of a catalytic alpha subunit (GANAB) and a beta subunit (PRKCSH). Binds glycosylated PTPRC., tissue specificity:Detected in placenta., Background		
Reactivity Human;Mouse	Catalog No	YP-Ab-02641
Applications WB;IHC;IF;ELISA Gene Name GANAB Protein Name Neutral alpha-glucosidase AB Immunogen The antiserum was produced against synthesized peptide derived from human GANAB. AA range;242-291 Specificity Glucosidase Itα Polyclonal Antibody detects endogenous levels of Glucosidase Itα Polyclonal Antibody detects endogenous levels of Glucosidase Itα protein. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Polyclonal, Rabbit,IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000 IF 1:50-200 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms GANAB; G2AN; KIAA0088; Neutral alpha-glucosidase AB; Alpha-glucosidase 2; Glucosidase II subunit alpha Observed Band 107kD Cell Pathway Endoplasmic reticulum. Golgi apparatus. Melanosome . Identified by mass spectrometry in melanosome fractions from stage I to stage IV. Tissue Specificity Detected in placenta (PubMed:381423). Isoform 1 and isoform 2 are expressed in the kidney and liver (PubMed:27259053). Function catalytic activity: Hydrolysis of terminal (1-3)-alpha-D-glucosidic links in (1-3)-alpha-D-glucosidic links in (1-3)-alpha-D-glucosidic links in melanosome fractions from stage I to stage IV. subunit: Helerodimer of a catalytic activity: Hydrolysis of terminal (1-3) alpha-D-glucosidic links in melanosome fractions from stage IV, subunit: Helerodimer of a catalytic apha subunit (GANAB) and a beta subunit (PRKCSH). Binds glyccosylated PTPRC. Lissue specificity: Detected in placental. This gene encodes the alpha subunit of glucosidase II and a member of the glycosyl hydrolase 31 family of proteins. The heterodimeric enzyme glucosidase I plays a role in protein folding and quality control by cleaving glucose residues	Isotype	lgG
Gene Name GANAB Protein Name Neutral alpha-glucosidase AB Immunogen The antiserum was produced against synthesized peptide derived from human GANAB. AA range:242-291 Specificity Glucosidase Ilα Polyclonal Antibody detects endogenous levels of Glucosidase Ilα protein. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Polyclonal, Rabbit, IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000 IF 1:50-200 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms GANAB; G2AN; KIAA0088; Neutral alpha-glucosidase AB; Alpha-glucosidase 2; Glucosidase II subunit alpha Observed Band 107kD Cell Pathway Endoplasmic reticulum. Golgi apparatus. Melanosome . Identified by mass spectrometry in melanosome fractions from stage I to stage IV. Tissue Specificity Detected in placenta (PubMed:3881423), Isoform 1 and isoform 2 are expressed in the kidney and liver (PubMed:27259053). Function catalytic activity:Hydroylss of terminal (1->3)-alpha-D-glucosidic links in (1->3)-alpha-D-glucosidic links in (1->3)-alpha-D	Reactivity	Human;Mouse
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Immunogen	Gene Name	GANAB
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Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Polyclonal, Rabbit, IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000 IF 1:50-200 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms GANAB; G2AN; KIAA0088; Neutral alpha-glucosidase AB; Alpha-glucosidase 1: subunit alpha Observed Band 107kD Cell Pathway Endoplasmic reticulum . Golgi apparatus . Melanosome . Identified by mass spectrometry in melanosome fractions from stage I to stage IV. Tissue Specificity Detected in placenta (PubMed:3881423). Isoform 1 and isoform 2 are expressed in the kidney and liver (PubMed:27259053). Function catalytic activity:Hydrolysis of terminal (1->3)-alpha-D-glucosidic links in (1->3)-alpha-D-glucosidic links in (1->3)-alpha-1.3-linked glucose residues from the Glc(2)Man(9)GlcNAc(2) oligosaccharide precursor of immature glycoproteins, pathway.Glycan metabolism; N-glycan metabolism, similarity:Belongs to the glycosyl hydrolase 31 family, subcellular location:Identified by mass spectrometry in melanosome fractions from stage I to stage IV, subunit:Heterodimerio a catalytic alpha subunit (GANAB) and a beta subunit (PRKCSH). Binds glycosylated PTPRC.,tissue specificity:Detected in placenta. This gene encodes the alpha subunit of glucosidase II and a member of the glycosyl hydrolase 31 family of proteins. The heterodimeric enzyme glucosidase plays a role in protein folding and quality control by cleaving glucose residues plays a role in protein folding and quality control by cleaving glucose residues	Immunogen	
Source Polyclonal, Rabbit, IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000 IF 1:50-200 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms GANAB; G2AN; KIAA0088; Neutral alpha-glucosidase AB; Alpha-glucosidase 2; Glucosidase II subunit alpha Observed Band 107kD Cell Pathway Endoplasmic reticulum. Golgi apparatus. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV Tissue Specificity Detected in placenta (PubMed:3881423). Isoform 1 and isoform 2 are expressed in the kidney and liver (PubMed:27259053). Function catalytic activity:Hydrolysis of terminal (1->3)-alpha-D-glucosidic links in (1->3)-alpha-D-glucans, function:Cleaves sequentially the 2 innermost alpha-1,3-linked glucose residues from the Glc(2)Man(9)GlcNAc(2) oligosaccharide precursor of immature glyccoproteins. pathway:Glycan metabolism; N-glycan metabolism, similarity:Belongs to the glycosyl hydrolase 31 family. subcellular location:Identified by mass spectrometry in melanosome fractions from stage I to stage IV, subunit:Helerodimer of a catalytic alpha subunit (GANAB) and a beta subunit (PRKCSH). Binds glycosylated PTPRC.,lissue specificity:Detected in placenta., Background This gene encodes the alpha subunit of glucosidase I	Specificity	Glucosidase II α Polyclonal Antibody detects endogenous levels of Glucosidase II α protein.
Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000 IF 1:50-200 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year GANAB; G2AN; KIAA0088; Neutral alpha-glucosidase AB; Alpha-glucosidase 2; Glucosidase II subunit alpha Observed Band 107kD Cell Pathway Endoplasmic reticulum . Golgi apparatus . Melanosome . Identified by mass spectrometry in melanosome fractions from stage I to stage IV Tissue Specificity Detected in placenta (PubMed:3881423). Isoform 1 and isoform 2 are expressed in the kidney and liver (PubMed:27259053). Function catalytic activity:Hydrolysis of terminal (1->3)-alpha-D-glucosidic links in (1->3)-alpha-D-glucosidic links of terminal (1->3)-alpha-D-glucosidic links in (1->3)-alpha-1, 3-linked glucose residues from the Gic(2)Man(9)GleNAc(2) oligosaccharide precursor of immature glycoproteins. pathway:Glycan metabolism; inilarity:Belongs to the glycosyl hydrolase 31 family, subcellular location:Identified by mass spectrometry in melanosome fractions from stage I to stage IV, subunit:Heterodimer of a catalytic alpha subunit (GANAB) and a beta subunit (PRKCSH). Binds glycosylated PTPRC. tissue specificity:Detected in placenta. This gene encodes the alpha subunit of glucosidase II and a member of the glycosyl hydrolase 31 family of proteins. The heterodimeric enzyme glucosidase I plays a role in protein folding and quality control by cleaving glucose residues	Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
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	Background	glycosyl hydrolase 31 family of proteins. The heterodimeric enzyme glucosidase II plays a role in protein folding and quality control by cleaving glucose residues



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encoded protein is elevated in lung tumor tissue and in response to UV irradiation. Mutations in this gene cause autosomal-dominant polycystic kidney and liver disease. [provided by RefSeq, Jul 2016],

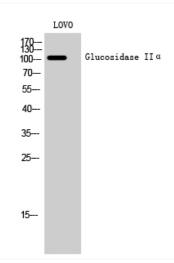
matters needing attention

Avoid repeated freezing and thawing!

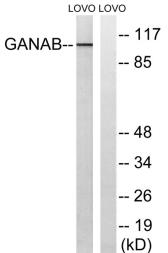
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

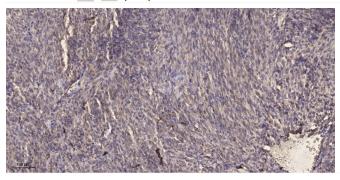
Products Images



Western Blot analysis of LOVO cells using Glucosidase IIα Polyclonal Antibody



Western blot analysis of lysates from LOVO cells, using GANAB Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).