Product Name: Glucosidase IIα Rabbit Polyclonal Antibody
Catalog #: APRab11486

Summary

Production Name	Glucosidase IIα Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	GANAB
Alternative Names	GANAB; G2AN; KIAA0088; Neutral alpha-glucosidase AB; Alpha-glucosidase 2; Glucosidase II subunit alpha
Gene ID	23193.0
SwissProt ID	Q14697.The antiserum was produced against synthesized peptide derived from human GANAB. AA range:242-291

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:5000
Molecular Weight	107kD

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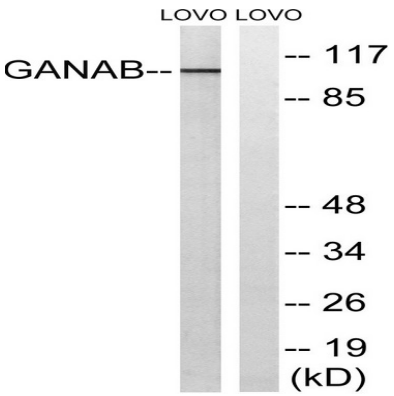
Background

This gene encodes the alpha subunit of glucosidase II and a member of the glycosyl hydrolase 31 family of proteins. The heterodimeric enzyme glucosidase II plays a role in protein folding and quality control by cleaving glucose residues from immature glycoproteins in the endoplasmic reticulum. Expression of the 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],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.,

Research Area

N-Glycan biosynthesis;

Image Data



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

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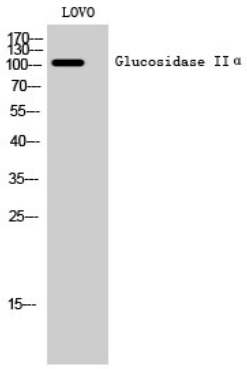

Western Blot analysis of LOVO cells using Glucosidase IIα Polyclonal Antibody

Note

For research use only.