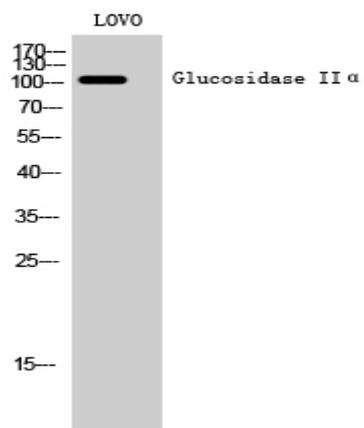


Glucosidase II α Polyclonal Antibody

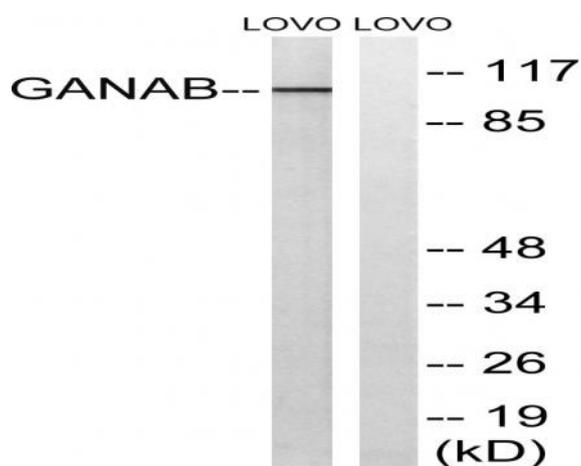
Catalog No :	YT1918
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	Glucosidase II α
Fields :	>>N-Glycan biosynthesis;>>Metabolic pathways;>>Protein processing in endoplasmic reticulum
Gene Name :	GANAB
Protein Name :	Neutral alpha-glucosidase AB
Human Gene Id :	23193
Human Swiss Prot No :	Q14697
Mouse Gene Id :	14376
Mouse Swiss Prot No :	Q8BHN3
Immunogen :	The antiserum was produced against synthesized peptide derived from human GANAB. AA range:242-291
Specificity :	Glucosidase II α Polyclonal Antibody detects endogenous levels of Glucosidase II α protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	107kD
Cell Pathway :	N-Glycan biosynthesis;
Background :	<p>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],</p>
Function :	<p>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.,</p>
Subcellular Location :	Endoplasmic reticulum . Golgi apparatus . Melanosome . Identified by mass spectrometry in melanosome fractions from stage I to stage IV. .
Expression :	Detected in placenta (PubMed:3881423). Isoform 1 and isoform 2 are expressed in the kidney and liver (PubMed:27259053).

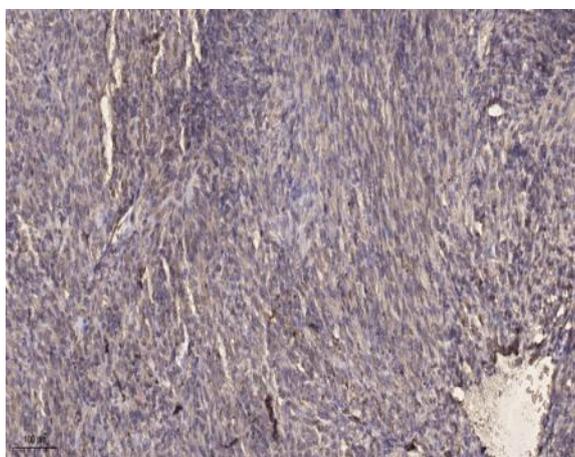
Products Images



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).