

Glucosidase II α Polyclonal Antibody
Catalog # AP70101**Specification**

Glucosidase II α Polyclonal Antibody - Product Information

Application	WB
Primary Accession	Q14697
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal

Glucosidase II α Polyclonal Antibody - Additional Information**Gene ID** 23193**Other Names**

GANAB; G2AN; KIAA0088; Neutral alpha-glucosidase AB; Alpha-glucosidase 2; Glucosidase II subunit alpha

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Glucosidase II α Polyclonal Antibody - Protein Information**Name** GANAB {ECO:0000303|PubMed:28375157, ECO:0000312|HGNC:HGNC:4138}**Function**

Catalytic subunit of glucosidase II that cleaves sequentially the 2 innermost alpha-1,3-linked glucose residues from the Glc(2)Man(9)GlcNAc(2) 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).

Cellular Location

Endoplasmic reticulum. Golgi apparatus {ECO:0000250|UniProtKB:P79403}. Melanosome.
Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

Tissue Location

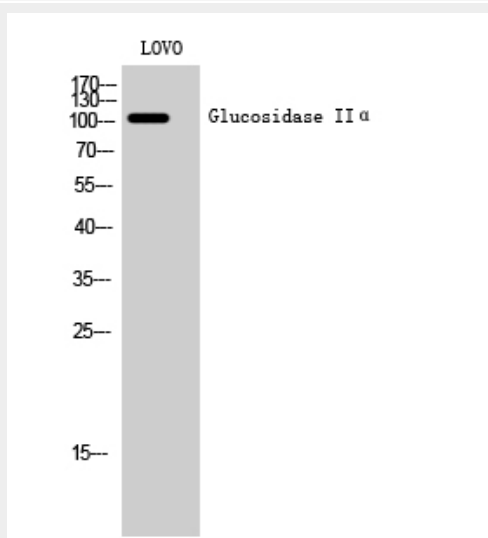
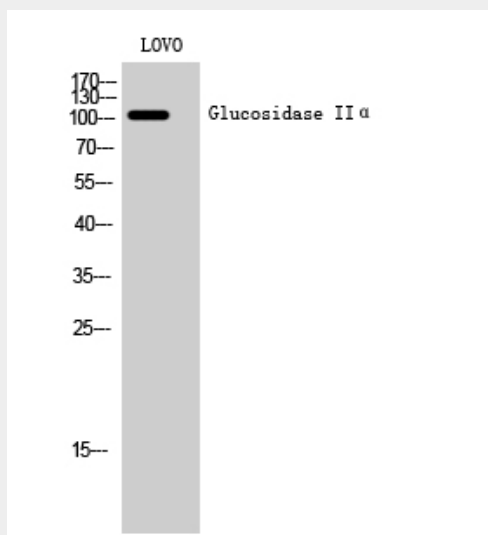
Detected in placenta (PubMed:3881423). Isoform 1 and isoform 2 are expressed in the kidney and liver (PubMed:27259053)

Glucosidase II α Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Glucosidase II α Polyclonal Antibody - Images



Glucosidase II α Polyclonal Antibody - Background

Catalytic subunit of glucosidase II that cleaves sequentially the 2 innermost alpha-1,3-linked glucose residues from the Glc(2)Man(9)GlcNAc(2) 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).