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Glucosidase IIα Polyclonal Antibody

Catalog # AP70101

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	Q14697
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	106874

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. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

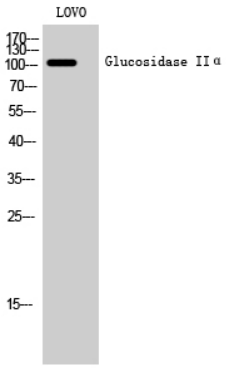
Protein Information

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)

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).

Images



Western Blot analysis of LOVO cells using Glucosidase IIα Polyclonal Antibody