

Immunotag™ Glucosidase IIα Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT1918
Product Description	Immunotag™ Glucosidase IIα Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Glucosidase IIα
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from human GANAB. AA range:242-291
Specificity	Glucosidase IIα Polyclonal Antibody detects endogenous levels of Glucosidase IIα protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	GANAB
Accession No.	Q14697 Q8BHN3
Alternate Names	GANAB; G2AN; KIAA0088; Neutral alpha-glucosidase AB; Alpha-glucosidase 2; Glucosidase II subunit alpha

Antibody Specification

Description	glucosidase II alpha subunit(GANAB) Homo sapiens 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],
Cell Pathway/ Category	N-Glycan biosynthesis,
Protein Expression	Bone marrow,Brain,Cajal-Retzius cell,Cervix,Lymph,Uterus,
Subcellular Localization	endoplasmic reticulum lumen,Golgi apparatus,membrane,integral component of membrane,glucosidase II complex,extracellular matrix,melanosome,extracellular exosome,
Protein 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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.