

## ARG45470 anti-GANAB antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes GANAB
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Specificity	GANAB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GANAB
Species	Human
Immunogen	Recombinant protein containing to human GANAB.
Conjugation	Un-conjugated
Alternate Names	GANAB; Glucosidase II Alpha Subunit; G2AN; Neutral Alpha-Glucosidase AB; KIAA0088; GIIalpha; Glul; GIA; Alpha-Glucosidase 2; Glucosidase, Alpha; Neutral AB; Glucosidase II Subunit Alpha; EC 3.2.1.207; EC 3.2.1.84 47; EC 3.2.1 47; PKD3

### Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 <sup>6</sup> cells
	ICC/IF	5 µg/ml
	IHC-P	2-5 µg/ml
	WB	0.1-0.25 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	100 kDa	

### Properties

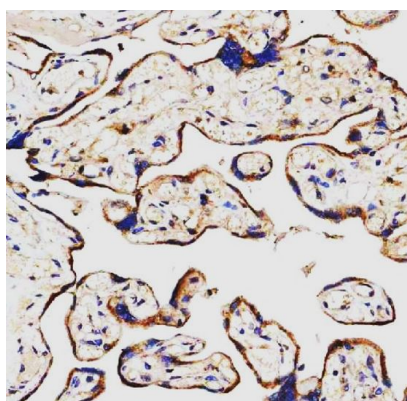
Form	Powder
Purification	Affinity purified
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

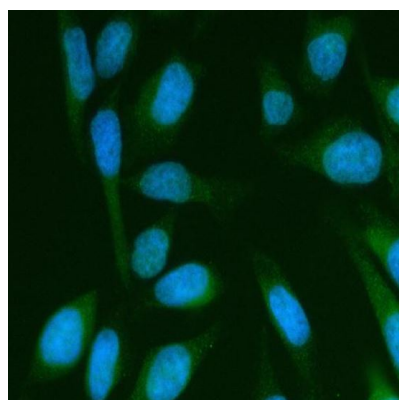
Gene Symbol	GANAB
Gene Full Name	Glucosidase II Alpha Subunit
Background	This gene encodes the alpha subunit of glucosidase II and a member of the glycosyl hydrolase 31 family of proteins. The heterodimeric enzyme glucosidase II plays a role in protein folding and quality control by cleaving glucose 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]
Function	Catalytic subunit of glucosidase II that cleaves sequentially the 2 innermost alpha-1,3-linked glucose residues from the Glc2Man9GlcNAc2 oligosaccharide precursor of immature glycoproteins. [UniProt]
Calculated Mw	107 kDa
PTM	Disulfide bond; Glycoprotein; Phosphoprotein. [UniProt]
Cellular Localization	Endoplasmic reticulum; Golgi apparatus. [UniProt]

## Images



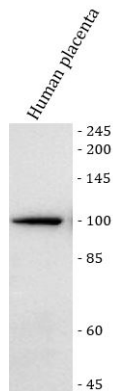
ARG45470 anti-GANAB antibody IHC-P image

Immunohistochemistry: Human placenta stained with ARG45470 anti-GANAB antibody at 2 µg/ml dilution.



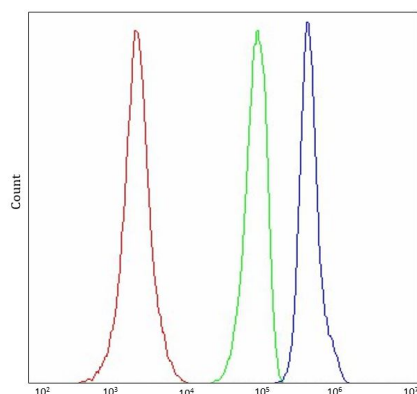
ARG45470 anti-GANAB antibody ICC/IF image

Immunofluorescence: HeLa stained with ARG45470 anti-GANAB antibody at 5 µg/ml dilution.



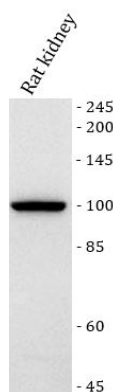
#### ARG45470 anti-GANAB antibody WB image

Western blot: Human placenta stained with ARG45470 anti-GANAB antibody at 0.5  $\mu\text{g}/\text{ml}$  dilution.



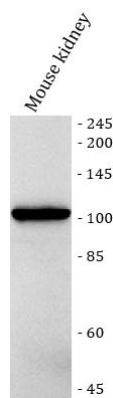
#### ARG45470 anti-GANAB antibody FACS image

Flow Cytometry: SH-SY5Y stained with ARG45470 anti-GANAB antibody at 1  $\mu\text{g}/10^6$  cells dilution.



#### ARG45470 anti-GANAB antibody WB image

Western blot: Rat kidney stained with ARG45470 anti-GANAB antibody at 0.5  $\mu\text{g}/\text{ml}$  dilution.



#### ARG45470 anti-GANAB antibody WB image

Western blot: Mouse kidney stained with ARG45470 anti-GANAB antibody at 0.5  $\mu\text{g}/\text{ml}$  dilution.