

GNPTAB antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI13088

Product Information

Application	WB
Primary Accession	Q3T906
Other Accession	NM_024312 , NP_077288
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Zebrafish, Chicken, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	143622

Additional Information

Gene ID	79158
Alias Symbol	DKFZp762B226, GNPTA, ICD, KIAA1208, MGC4170
Other Names	N-acetylglucosamine-1-phosphotransferase subunits alpha/beta, 2.7.8.17, GlcNAc-1-phosphotransferase subunits alpha/beta, Stealth protein GNPTAB, UDP-N-acetylglucosamine-1-phosphotransferase subunits alpha/beta, N-acetylglucosamine-1-phosphotransferase subunit alpha, N-acetylglucosamine-1-phosphotransferase subunit beta, GNPTAB, GNPTA, KIAA1208
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-GNPTAB antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	GNPTAB antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GNPTAB
Synonyms	GNPTA, KIAA1208
Function	Catalyzes the formation of mannose 6-phosphate (M6P) markers on high mannose type oligosaccharides in the Golgi apparatus. M6P residues are required to bind to the M6P receptors (MPR), which mediate the vesicular transport of lysosomal enzymes to the endosomal/prelysosomal

compartment.

Cellular Location

[N-acetylglucosamine-1-phosphotransferase subunit alpha]: Golgi apparatus membrane; Single-pass type I membrane protein

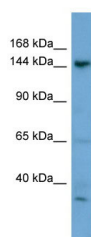
Tissue Location

Expressed in the heart, whole brain, placenta, lung, liver, skeletal muscle, kidney and pancreas

References

Tiede S.,et al.Nat. Med. 11:1109-1112(2005).
Kudo M.,et al.J. Biol. Chem. 280:36141-36149(2005).
Kudo M.,et al.J. Biol. Chem. 280:42476-42476(2005).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Nagase T.,et al.DNA Res. 6:337-345(1999).

Images



WB Suggested Anti-GNPTAB Antibody Titration: 0.2-1
µg/ml
ELISA Titer: 1:1562500
Positive Control: HepG2 cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.