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GNPTAB antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI13088

Specification

GNPTAB antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q3T906
Other Accession	NM_024312, NP_077288
Reactivity	**Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Chicken, Horse, Bovine, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**143kDa KDa**

GNPTAB antibody - N-terminal region - 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.

GNPTAB antibody - N-terminal region - Protein Information

Name GNPTAB

Synonyms GNPTA, KIAA1208

Function

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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

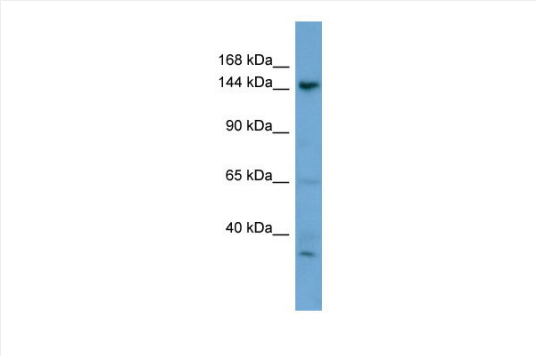
Tissue Location
Expressed in the heart, whole brain, placenta, lung, liver, skeletal muscle, kidney and pancreas

GNPTAB antibody - N-terminal region - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GNPTAB antibody - N-terminal region - Images



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

GNPTAB antibody - N-terminal region - 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).