

Datasheet for ABIN2783922
anti-GNPTAB antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	GNPTAB
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rabbit, Rat, Cow, Zebrafish (Danio rerio), Dog, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNPTAB antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human GNPTAB
Sequence:	FQFGEVVLEW SRDQYHVLFD SYRDNIAGKS FQNRLCLPMP IDVVYTWVNG
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against GNPTAB. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	GNPTAB
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Target Details

Alternative Name:	GNPTAB (GNPTAB Products)
Background:	<p>This gene encodes two of three subunit types of the membrane-bound enzyme N-acetylglucosamine-1-phosphotransferase, a heterohexameric complex composed of two alpha, two beta, and two gamma subunits. The encoded protein is proteolytically cleaved at the Lys928-Asp929 bond to yield mature alpha and beta polypeptides while the gamma subunits are the product of a distinct gene (GeneID 84572). In the Golgi apparatus, the heterohexameric complex catalyzes the first step in the synthesis of mannose 6-phosphate recognition markers on certain oligosaccharides of newly synthesized lysosomal enzymes. These recognition markers are essential for appropriate trafficking of lysosomal enzymes. Mutations in this gene have been associated with both mucopolipidosis II and mucopolipidosis IIIA.</p> <p>Alias Symbols: DKFZp762B226, GNPTA, ICD, KIAA1208, MGC4170</p> <p>Protein Interaction Partner: AEN, ZNF250, STAMBPL1, FAM90A1, PSMA1, MAPK1, APP, UBC, DISC1,</p> <p>Protein Size: 1256</p>
Molecular Weight:	143 kDa
Gene ID:	79158
NCBI Accession:	NM_024312 , NP_077288
UniProt:	Q3T906

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 1256 AA
Restrictions:	For Research Use only

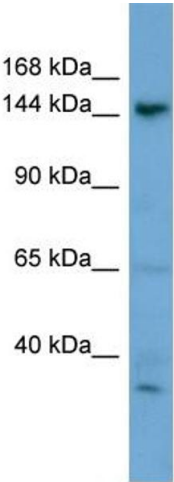
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

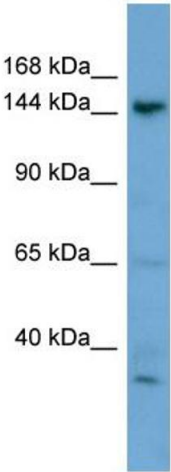


Rabbit Anti-GNPTAB Antibody
Catalog Number: ARP49815
Lot Number: QC29407
Lane: HepG2 Cell Lysate

Antibody Titration: 1.0µg/ml
Gel Concentration: 6-18%

Western Blotting

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



Western Blotting

Image 2. WB Suggested Anti-GNPTAB Antibody Titration:
0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: HepG2
cell lysate