

# GNPTAB Polyclonal Antibody

Catalog No: #29478



Package Size: #29478-1 50ul #29478-2 100ul

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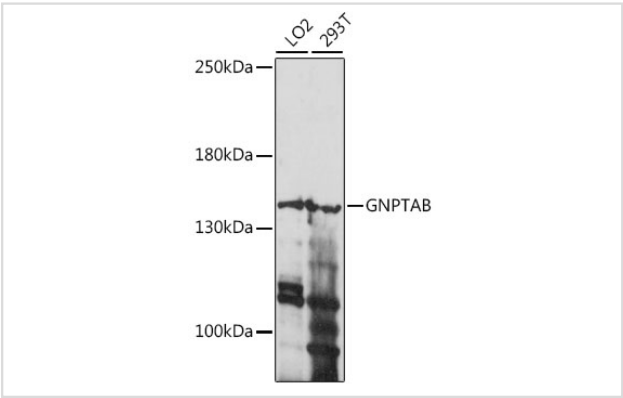
## Description

Product Name	GNPTAB Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB
Species Reactivity	Human
Immunogen Description	Recombinant fusion protein of human GNPTAB (NP_077288.2).
Other Names	GNPTAB; GNPTA; ICD; N-acetylglucosamine-1-phosphotransferase subunits alpha/beta
Accession No.	Swiss-Prot#:Q3T906NCBI Gene ID:79158
Uniprot	Q3T906
GeneID	79158;
Calculated MW	144kDa
Formulation	Avoid freeze / thaw cycles. Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

## Application Details

WB 1:500 - 1:2000

## Images



Western blot analysis of extracts of various cell lines, using GNPTAB at 1:1000 dilution.

## Background

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.

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Note: This product is for in vitro research use only