

Datasheet for ABIN2782884
anti-NAGPA antibody (N-Term)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	NAGPA
Binding Specificity:	N-Term
Reactivity:	Human, Guinea Pig, Horse, Mouse, Cow, Rat, Dog, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NAGPA 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 NAGPA
Sequence:	GECLGNVVSD ERRVSSSGGL QNAQFGIRRD GTLVTGYLSE EEVLDTENPF
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rat: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against NAGPA. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	NAGPA
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Target Details

Alternative Name:	NAGPA (NAGPA Products)
Background:	<p>Hydrolases are transported to lysosomes after binding to mannose 6-phosphate receptors in the trans-Golgi network. This gene encodes the enzyme that catalyzes the second step in the formation of the mannose 6-phosphate recognition marker on lysosomal hydrolases.</p> <p>Commonly known as 'uncovering enzyme' or UCE, this enzyme removes N-acetyl-D-glucosamine (GlcNAc) residues from GlcNAc-alpha-P-mannose moieties and thereby produces the recognition marker. This reaction most likely occurs in the trans-Golgi network. This enzyme functions as a homotetramer of two disulfide-linked homodimers. In addition to having an N-terminal signal peptide, the protein's C-terminus contains multiple signals for trafficking it between lysosomes, the plasma membrane, and trans-Golgi network.</p> <p>Alias Symbols: APAA, UCE</p> <p>Protein Interaction Partner: ZHX2, DEGS1, NAGPA, EPS15, AP2A1, FURIN,</p> <p>Protein Size: 515</p>
Molecular Weight:	53 kDa
Gene ID:	51172
NCBI Accession:	NM_016256 , NP_057340
UniProt:	Q9UK23

Application Details

Restrictions:	For Research Use only
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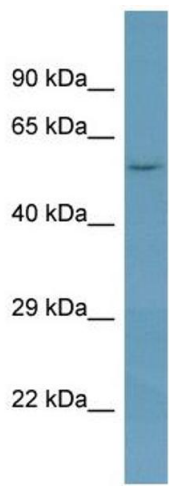
Handling

Format:	Liquid
Concentration:	1 mg/mL
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 should be handled by trained staff only.
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	-20 °C

Handling

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



Western Blotting

Image 1. Host: Rabbit Target Name: NAGPA Sample Type: OVCAR-3 Whole Cell lysates Antibody Dilution: 1.0ug/ml