Datasheet for ABIN7600838

anti-NAGLU antibody (AA 24-489)

Go to Product page

Overview

Quantity:	100 µg
Target:	NAGLU
Binding Specificity:	AA 24-489
Reactivity:	Mouse, Rat, Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NAGLU antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-NAGLU Antibody Picoband®
Immunogen:	E.coli-derived human NAGLU recombinant protein (Position: D24-D489).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-NAGLU Antibody Picoband® (ABIN7600838). Tested in WB, ELISA applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	NAGLU
Alternative Name:	NAGLU (NAGLU Products)
Background:	Synonyms: NAGLU, UFHSD1, Alpha-N-acetylglucosaminidase, EC 3.2.1.50, N-acetyl-alpha-glucosaminidase, NAG [Cleaved into: Alpha-N-acetylglucosaminidase 82 kDa form, Alpha-N-acetylglucosaminidase 77 kDa form] Background: N-acetylglucosaminidase, alpha is a protein that in humans is encoded by the NAGLU gene. This gene encodes an enzyme that degrades heparan sulfate by hydrolysis of terminal N-acetyl-D-glucosamine residues in N-acetyl-alpha-D-glucosaminides. Defects in this gene are the cause of mucopolysaccharidosis type IIIB (MPS-IIIB), also known as Sanfilippo syndrome B. This disease is characterized by the lysosomal accumulation and urinary excretion of heparan sulfate.
Molecular Weight:	82 kDa
Gene ID:	4669
UniProt:	P54802
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat ELISA, 0.1-0.5 µg/mL 1. Beesley, C. E., Young, E. P., Vellodi, A., Winchester, B. G. Identification of 12 novel mutations in the alpha-N-acetylglucosaminidase gene in 14 patients with Sanfilippo syndrome type B (mucopolysaccharidosis type IIIB). J. Med. Genet. 35: 910-914, 1998. 2. Bunge, S., Knigge, A., Steglich, C., Kleijer, W. J., van Diggelen, O. P., Beck, M., Gal, A. Mucopolysaccharidosis type IIIB (Sanfilippo B): identification of 18 novel alpha-N-acetylglucosaminidase gene mutations. J. Med. Genet. 36: 28-31, 1999. 3. Chinen, Y., Tohma, T., Izumikawa, Y., Uehara, H., Ohta, T. Sanfilippo type B syndrome: five patients with an R565P homozygous mutation in the alpha-N-acetylglucosaminidase gene from the Okinawa islands in Japan. J. Hum. Genet. 50: 357-359, 2005.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.