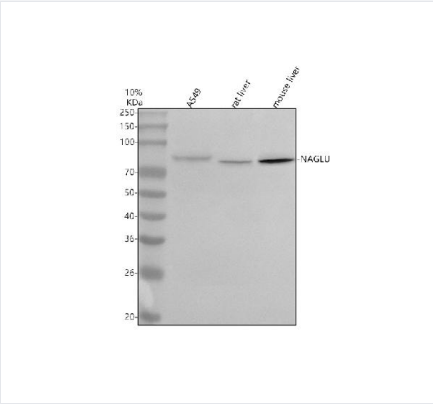
NAGLU Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NAGLU, Polyclonal Antibody
Full Product Name	Anti-NAGLU Antibody Picoband
Product Gene Name	anti-NAGLU antibody
Product Synonym Names	Alpha-N-acetylglucosaminidase; N-acetyl-alpha-glucosaminidase; 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]
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Purity/Purification	Immunogen affinity purified.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.
Molecular Weight	82,266 Da
OMIM	252920
3D Structure	ModBase 3D Structure for P54802
Immunogen	E coli-derived human NAGLU recombinant protein (Position: D24-D489).
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
Product Categories/Family for anti-NAGLU antibody	Primary Antibodies
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-NAGLU antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-NAGLU antibody	WB: 0.25-0.5ug/ml, Human, Mouse, Rat ELISA: 0.1-0.5ug/ml
Related Product Information for anti-NAGLU antibody	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.
Product References and Citations for anti-NAGLU antibody	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.

Other Notes	Small volumes of anti-NAGLU antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NAGLU purchase	MBS1760136 is an antibody targeting NAGLU. Also known as Anti-NAGLU Antibody Picoband. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-NAGLU antibody
Figure 1. Western blot analysis of NAGLU using anti-NAGLU antibody (MBS1760136).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human A549 whole cell lysates,Lane 2: rat liver tissue lysates,Lane 3: mouse liver tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-NAGLU antigen affinity purified polyclonal antibody (MBS1760136) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (#MBS176460) with Tanon 5200 system. A specific band was detected for NAGLU at approximately 82 kDa. The expected band size for NAGLU is at 82 kDa.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NAGLU. It may not necessarily be applicable to this product.

NCBI GI #	66346698
NCBI GeneID	4669
NCBI Accession #	NP_000254
UniProt Primary Accession #	P54802
UniProt Related Accession #	P54802
GenBank Nucleotide #	NM_000263
NCBI Official Full Name	alpha-N-acetylglucosaminidase
NCBI Official Synonym Full Names	N-acetylglucosaminidase, alpha
NCBI Official Symbol	NAGLU
NCBI Official Synonym Symbols	NAG; MPS3B; UFHSD; MPS-IIIB
UniProt Protein Name	Alpha-N-acetylglucosaminidase
UniProt Synonym Protein Names	N-acetyl-alpha-glucosaminidase; NAG
Protein Family	Alpha-N-acetylglucosaminidase
UniProt Gene Name	NAGLU

UniProt Synonym Gene Names	UFHSD1; NAG
UniProt Entry Name	ANAG_HUMAN
NCBI Protein Information	alpha-N-acetylglucosaminidase; N-acetyl-alpha-glucosaminidase
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