

NAGLU Antibody (monoclonal) (M02)**Mouse monoclonal antibody raised against a partial recombinant NAGLU.****Catalog # AT2970a****Specification**

NAGLU Antibody (monoclonal) (M02) - Product Information

Application	WB
Primary Accession	P54802
Other Accession	NM_000263
Reactivity	Human, Mouse
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	82266

NAGLU Antibody (monoclonal) (M02) - Additional Information**Gene ID** 4669**Other Names**

Alpha-N-acetylglucosaminidase, N-acetyl-alpha-glucosaminidase, NAG,
Alpha-N-acetylglucosaminidase 82 kDa form, Alpha-N-acetylglucosaminidase 77 kDa form, NAGLU,
UFHSD1

Target/Specificity

NAGLU (NP_000254, 644 a.a. ~ 742 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

NAGLU Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

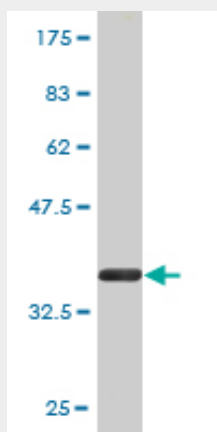
NAGLU Antibody (monoclonal) (M02) - Protocols

Provided below are standard protocols that you may find useful for product applications.

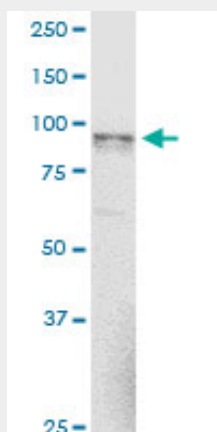
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NAGLU Antibody (monoclonal) (M02) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .



NAGLU monoclonal antibody (M02), clone 1B7. Western Blot analysis of NAGLU expression in NIH/3T3.

NAGLU Antibody (monoclonal) (M02) - Background

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.

NAGLU Antibody (monoclonal) (M02) - References

Identification and characterization of a novel homozygous deletion in the alpha-N-acetylglucosaminidase gene in a patient with Sanfilippo type B syndrome (mucopolysaccharidosis IIIB). Champion KJ, et al. Mol Genet Metab, 2010 May. PMID 20138557. Molecular analysis of mucopolysaccharidosis type IIIB in Portugal: evidence of a single

origin for a common mutation (R234C) in the Iberian Peninsula. Mangas M, et al. Clin Genet, 2008 Mar. PMID 18218046. Sanfilippo type B syndrome: five patients with an R565P homozygous mutation in the alpha-N-acetylglucosaminidase gene from the Okinawa islands in Japan. Chinen Y, et al. J Hum Genet, 2005. PMID 15933803. The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334. Inferring nonneutral evolution from human-chimp-mouse orthologous gene trios. Clark AG, et al. Science, 2003 Dec 12. PMID 14671302.