

# NAGA mouse monoclonal antibody (hybridoma)

Catalog # H00004668-M

Size Up to 5 Clones

## Specification

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description     | Mouse monoclonal antibody raised against a full-length recombinant NAGA.                                                                                                                                                                                                                                                                                                                                                                                 |
| Immunogen               | NAGA (NP_000253.1, 1 a.a. ~ 411 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.                                                                                                                                                                                                                                                                                                                                    |
| Sequence                | MLLKTVLLLGHVAQVLM LDNGLLQTPPMGWLAWERFRCNINCDDEPKNCISEQLFMEMADRMA<br>QDGWRDMGYTYLNIDDCWIGGRDASGRLMPDPKRFPHGIPFLADYVHSLGLKLG IYADMGNFTCM<br>GYPGTTLDKVVQDAQTF AEWKVDMLKLDGCFSTPEERAQGYPKMAAALNATGRPIAFSCSWPA<br>YEGGLPPRVNYSLLADICNLWRNYDDIQDSWWSVLSILNWFVEHQDILQPVAGPGHWNDPDMLLI<br>GNFGLSLEQSR AQMALWTVLAAPLLMSTDLRTISAQNMDILQNPLMIKINQDPLGIQGRRIHKEKSLI<br>EVMRPLSNKASALVFFSCRTDMPYRYHSSLGQLNFTG SVIYEAQDVYSGDIISGLRDETNTFTVIINP<br>SGVVMWYLYPIKNLEMSQQ |
| Host                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Quality Control Testing | Antibody reactivity and specificity confirmed by ELISA and Western Blot.                                                                                                                                                                                                                                                                                                                                                                                 |
| Deliverables            | Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.                                                                                                                                                                                                                                                                                                                                                                  |
| Note                    | Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.                                                                                                                                                                                                                                                               |

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — NAGA

|                     |                                                                                                                                                                                                                                                                                                     |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">4668</a>                                                                                                                                                                                                                                                                                |
| GeneBank Accession# | <a href="#">NM_000262.1</a>                                                                                                                                                                                                                                                                         |
| Protein Accession#  | <a href="#">NP_000253.1</a>                                                                                                                                                                                                                                                                         |
| Gene Name           | NAGA                                                                                                                                                                                                                                                                                                |
| Gene Alias          | D22S674, GALB                                                                                                                                                                                                                                                                                       |
| Gene Description    | N-acetylgalactosaminidase, alpha-                                                                                                                                                                                                                                                                   |
| Omim ID             | <a href="#">104170 609241 609242</a>                                                                                                                                                                                                                                                                |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                           |
| Gene Summary        | NAGA encodes the lysosomal enzyme alpha-N-acetylgalactosaminidase, which cleaves alpha-N-acetylgalactosaminy l moieties from glycoconjugates. Mutations in NAGA have been identified as t he cause of Schindler disease types I and II (type II also known as Kanzaki disease). [provided by RefSeq |
| Other Designations  | Acetylgalactosaminidase, alpha-N- (alpha-galactosidase B) alpha-N-acetylgalactosaminidase                                                                                                                                                                                                           |

## Pathway

- [Glycosphingolipid biosynthesis - globo series](#)
- [Lysosome](#)