Anti-NAGA monoclonal antibody (DCABH-12504)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description
NAGA encodes the lysosomal enzyme alpha-N-acetylgalactosaminidase, which cleaves alpha-N-acetylgalactosaminy1 moieties from glycoconjugates. Mutations in NAGA have been identified as the cause of Schindler disease types I and II (type II also known as Kanzaki disease).

Immunogen
A synthetic peptide of human NAGA is used for rabbit immunization.

Isotype
IgG

Source/Host
Rabbit

Species Reactivity
Human

Purification
Protein A

Conjugate
Unconjugated

Applications
Western Blot (Transfected lysate); ELISA

Size
1 ea

Buffer
In 1x PBS, pH 7.4

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

GENE INFORMATION

Gene Name
NAGA N-acetylgalactosaminidase, alpha- [ Homo sapiens ]

Official Symbol
NAGA

Synonyms
NAGA; N-acetylgalactosaminidase, alpha-; alpha-N-acetylgalactosaminidase; D22S674; alpha-galactosidase B; Acetylgalactosaminidase, alpha-N- (alpha-galactosidase B); GALB;

Entrez Gene ID
4668

mRNA Refseq
NM_000262

Protein Refseq
NP_000253

MIM
104170

UniProt ID
A0A024R1Q5
<table>
<thead>
<tr>
<th><strong>Chromosome Location</strong></th>
<th>22q13.2</th>
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<tbody>
<tr>
<td><strong>Pathway</strong></td>
<td>Glycosphingolipid biosynthesis - globo series, organism-specific biosystem; Glycosphingolipid biosynthesis - globo series, conserved biosystem; Lysosome, organism-specific biosystem; Lysosome, conserved biosystem;</td>
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<tr>
<td><strong>Function</strong></td>
<td>alpha-N-acetylgalactosaminidase activity; alpha-galactosidase activity; cation binding; hydrolase activity, hydrolyzing O-glycosyl compounds; protein homodimerization activity;</td>
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