

NAGA Monoclonal antibody

Catalog Number: 67684-1-Ig

Basic Information

Catalog Number:

67684-1-Ig

Size:

500 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG7225

GenBank Accession Number:

BC000095

GeneID (NCBI):

4668

UNIPROT ID:

P17050

Full Name:

N-acetylgalactosaminidase, alpha-

Calculated MW:

47 kDa

Observed MW:

50 kDa

Purification Method:

Protein A purification

CloneNo.:

2A5F3

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

WB : U2OS cells, LNCaP cells

Background Information

NAGA belongs to the glycosyl hydrolase 27 family. It removes terminal alpha-N-acetylgalactosamine residues from glycolipids and glycopeptides. It is required for the breakdown of glycolipids. Biosynthetic studies performed with cultured fibroblasts indicated that the human enzyme was synthesized as a 65 kDa glycosylated precursor which was processed to a mature 48-kDa lysosomal form; both the precursor and mature forms had high mannose type oligosaccharide chains, but only the precursor's mannose residues were phosphorylated. 90-117 kDa is a homodimer of NAGA.

Storage

Storage:

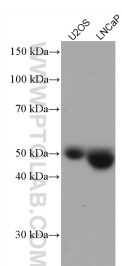
Store at -20°C.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67684-1-Ig (NAGA antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.