

## International Office

### Everest Biotech Ltd

Vector Laboratories, Inc.  
6737 Mowry Ave  
Newark, CA 94560  
United States

Customer Service:

[customerservice@vectorlabs.com](mailto:customerservice@vectorlabs.com)

Technical Service:

[technical@vectorlabs.com](mailto:technical@vectorlabs.com)

Tel: +1 (800) 227-6666

[www.everestbiotech.com](http://www.everestbiotech.com)

**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB05559 - Goat Anti-B3GNT1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** B3GNT1, UDP-GlcNAc:betaGal

beta-1,3-N-acetylglucosaminyltransferase 1, B3GNT, B3GN-T1, B3GN-T2, B3GNT-2, BETA3GNT, beta3gal-T5 gene, beta-1,3-N-acetylglucosaminyltransferase bGnT-1, beta-1,3-N-acetylglucosaminyltransferase bGnT-2

**Official Symbol:** B3GNT1

**Accession Number(s):** NP\_006568; NP\_150274

**Human GeneID(s):** [10678](#)

**Important Comments:** This antibody will recognise both isoforms NP\_006568 and NP\_150274.

### Immunogen

Peptide with sequence DIWSQLQSAHLKC, from the C Terminus of the protein sequence according to NP\_006568; NP\_150274.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Western blot:** Western blot: Approx 47kDa and 39kDa bands seen in Mouse Brain lysate. Recommended for use at 3-5µg/ml.

This is a glycosyl transferase and the two bands may represent both the glycosylated and unglycosylated isoforms. Glycosylation can affect migration of proteins on SDS-PAGE [Hames, B.D and Rickwood, D., eds. Gel electrophoresis of proteins: a practical approach. Oxford University Press].

### Species Reactivity

**Tested:** Mouse

**Expected from sequence similarity:** Human