

Product datasheet for **TA505331**

B3GNT1 (B3GNT2) Mouse Monoclonal Antibody [Clone ID: OTI4B9]

Product data:

| | |
|--------------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI4B9 |
| Applications: | IF, WB |
| Recommended Dilution: | WB 1:2000, IF 1:100 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG2a |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human B3GNT2(NP_006568) produced in HEK293T cell. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Concentration: | 1 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 45.8 kDa |
| Gene Name: | UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2 |
| Database Link: | NP_006568 Entrez Gene 53625 Mouse Entrez Gene 305571 Rat Entrez Gene 10678 Human Q9NY97 |
| Background: | This gene encodes a member of the beta-1,3-N-acetylglucosaminyltransferase family. This enzyme is a type II transmembrane protein. It prefers the substrate of lacto-N-neotetraose, and is involved in the biosynthesis of poly-N-acetyllactosamine chains. [provided by RefSeq] |
| Synonyms: | 3-Gn-T1; 3-Gn-T2; B3GN-T2; B3GNT; B3GNT-2; B3GNT1; beta-1; beta3Gn-T1; beta3Gn-T2; BETA3GNT; BGnT-2 |

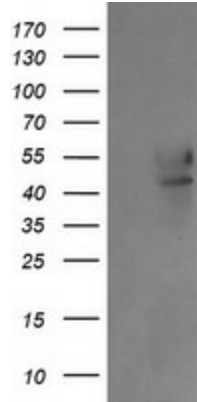


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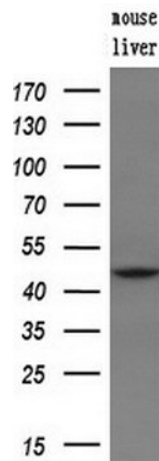
Protein Families: Transmembrane

Protein Pathways: Glycosphingolipid biosynthesis - lacto and neolacto series, Keratan sulfate biosynthesis, Metabolic pathways

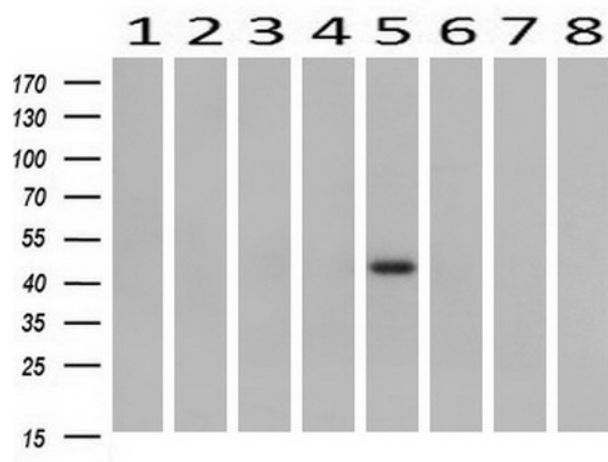
Product images:



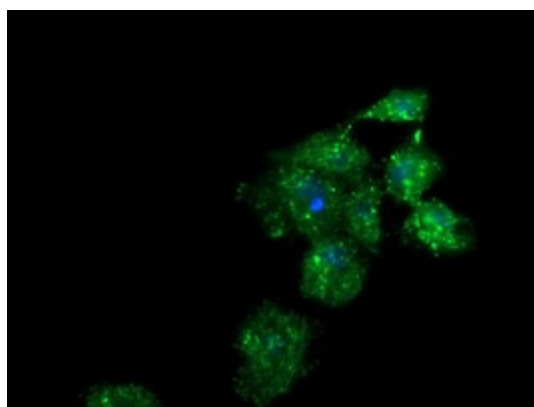
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY B3GNT2 ([RC208100], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-B3GNT2. Positive lysates [LY416552] (100ug) and [LC416552] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (10ug) from a mouse tissues by using anti-B3GNT2 monoclonal antibody (1:200).



Western blot analysis of extracts (10ug) from 8 Human tissue by using anti-B3GNT2 monoclonal antibody at 1:200 (1: Testis; 2: Uterus; 3: Breast; 4: Brain; 5: Liver; 6: Ovary; 7: Thyroid gland; 8: Colon).



Anti-B3GNT2 mouse monoclonal antibody (TA505331) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY B3GNT2 ([RC208100]).