

## Product datasheet for **TA505331M**

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

#### Product data:

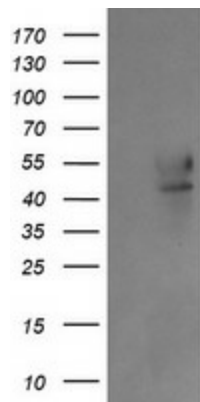
Product Type:	Primary Antibodies
Clone Name:	OTI4B9
Applications:	IF, WB
Recommended Dilution:	WB 1:2000, IF 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human B3GNT2(NP_006568) produced in HEK293T cell.
Formulation:	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:	<a href="#">NP_006568</a> <a href="#">Entrez Gene 53625 Mouse</a> <a href="#">Entrez Gene 305571 Rat</a> <a href="#">Entrez Gene 10678 Human</a> <a href="#">Q9NY97</a>
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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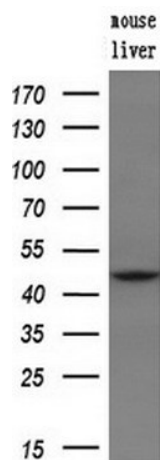
**Protein Families:** Transmembrane

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

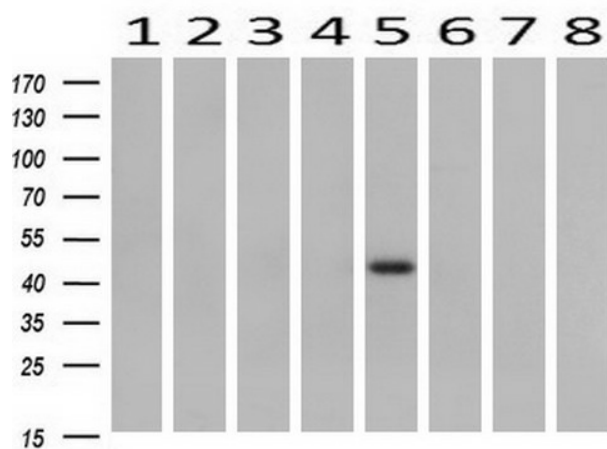
### Product images:



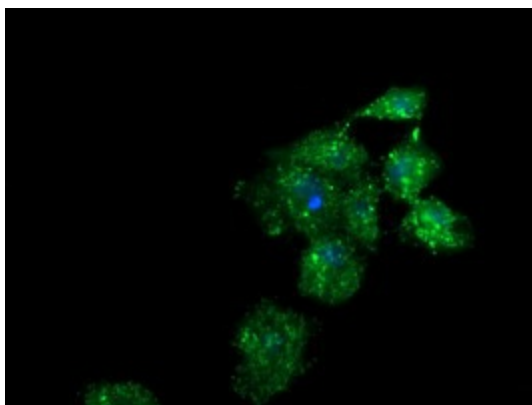
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY B3GNT2 ([RC208100], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-B3GNT2. Positive lysates [LY416552] (100ug) and [LC416552]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