

## Product datasheet for **TA505283S**

### **B3GNT1 (B3GNT2) Mouse Monoclonal Antibody [Clone ID: OTI3A9]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI3A9
<b>Applications:</b>	IF, IHC, WB
<b>Recommended Dilution:</b>	WB 1:2000, IHC 1:150, IF 1:100
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG2a
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human B3GNT2(NP_006568) produced in HEK293T cell.
<b>Formulation:</b>	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Concentration:</b>	1 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	45.8 kDa
<b>Gene Name:</b>	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2
<b>Database Link:</b>	<a href="#">NP_006568</a> <a href="#">Entrez Gene 53625</a> <a href="#">MouseEntrez Gene 305571</a> <a href="#">RatEntrez Gene 10678</a> <a href="#">Human Q9NY97</a>
<b>Background:</b>	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, Jul 2008]



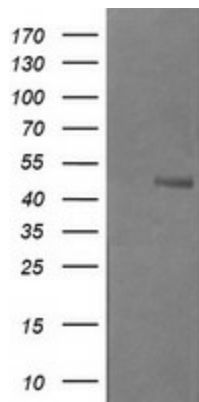
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**Synonyms:** 3-Gn-T1; 3-Gn-T2; B3GN-T2; B3GNT; B3GNT-2; B3GNT1; beta-1; beta3Gn-T1; beta3Gn-T2; BETA3GNT; BGnT-2

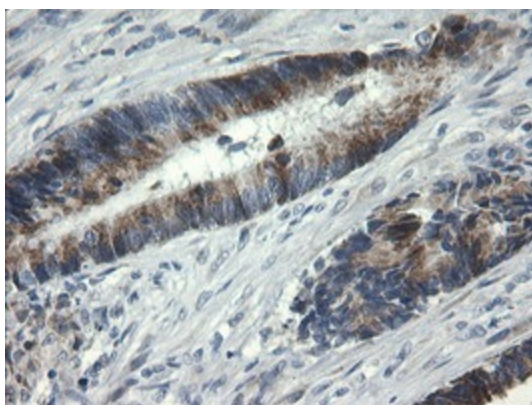
**Protein Families:** Transmembrane

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

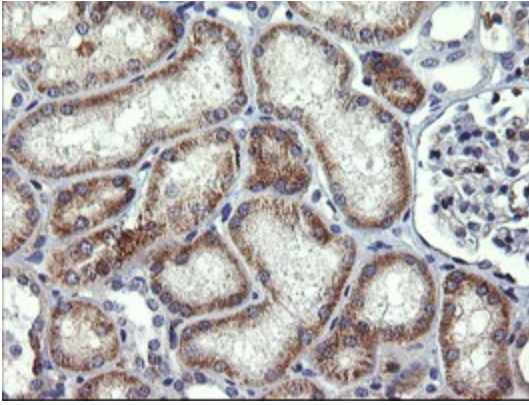
### Product images:



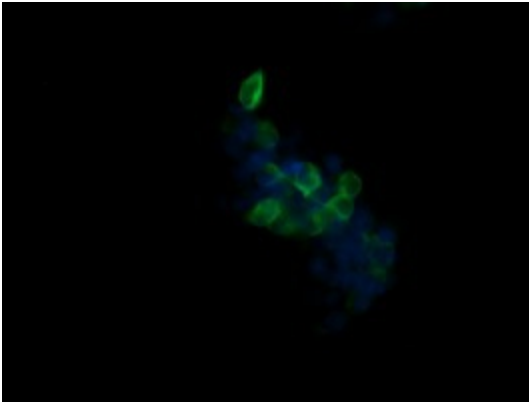
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY B3GNT2 (Cat# [RC208100], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-B3GNT2 (Cat# [TA505283]). Positive lysates [LY416552] (100ug) and [LC416552] (20ug) can be purchased separately from OriGene.



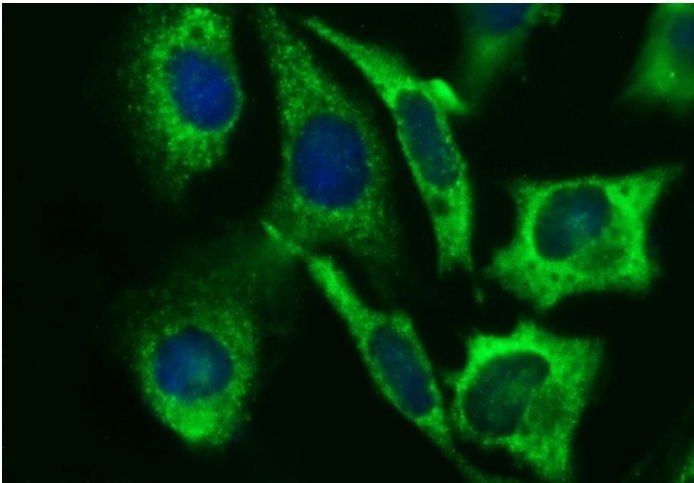
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-B3GNT2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505283])



Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-B3GNT2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505283])



Anti-B3GNT2 mouse monoclonal antibody ([TA505283]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY B3GNT2 ([RC208100]).



Immunofluorescent staining of HeLa cells using anti-B3GNT2 mouse monoclonal antibody ([TA505283]).