

Product datasheet for **CF800401**

A4GNT Mouse Monoclonal Antibody [Clone ID: OTI1F7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1F7
Applications:	WB
Recommended Dilution:	WB 1:500
Reactivity:	Human, Dog, Rat, Monkey, Mouse
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 121-340 of human A4GNT (NP_057245) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
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:	39.3 kDa
Gene Name:	alpha-1,4-N-acetylglucosaminyltransferase
Database Link:	NP_057245 Entrez Gene 333424 MouseEntrez Gene 685758 RatEntrez Gene 485683 DogEntrez Gene 716512 MonkeyEntrez Gene 51146 Human Q9UNA3



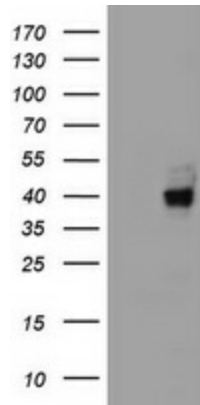
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Background: This gene encodes a protein from the glycosyltransferase 32 family. The enzyme catalyzes the transfer of N-acetylglucosamine (GlcNAc) to core 2 branched O-glycans. It forms a unique glycan, GlcNAc α 1 \rightarrow 4Gal β \rightarrow R and is largely associated with the Golgi apparatus membrane. [provided by RefSeq, Jul 2008]

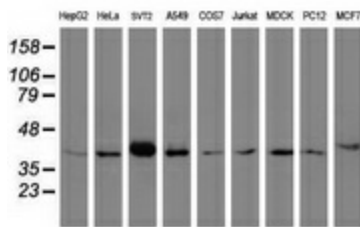
Synonyms: alpha4GnT

Protein Families: Transmembrane

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY A4GNT ([RC221256], 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-A4GNT. Positive lysates [LY414153] (100ug) and [LC414153] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-A4GNT monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).