Product name:	GM2/GD2 synthase Rabbit Polyclonal Antibody
Cat number:	ABN11529
Conjugate:	Unconjugated
Size:	100μL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human B4GALNT1. AA range:281-330
Reactivity:	Human,Mouse,Rat
Applications:	WB 1:500-1:2000,ELISA 1:5000-1:10000
Molecular Weight:	60kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	beta-1,4-N-acetyl-galactosaminyltransferase 1(B4GALNT1) Homo sapiens GM2 and GD2 gangliosides are sialic acid-containing glycosphingolipids. GalNAc-T is the enzyme involved in the biosynthesis of G(M2) and G(D2) glycosphingolipids. GalNAc-T catalyzes the transfer of GalNAc into G(M3) and G(D3) by a beta-1,4 linkage, resulting in the synthesis of G(M2) and G(D2), respectively. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2013],catalytic activity:UDP-N-acetyl-D-galactosamine + 1-O-(O-(N-acetyl-alpha-neuraminosyl)-(2->3)-O-beta-D-galactopyranosyl-(1->4)-beta-D-glucopyranosyl)-ceramide = UDP + 1-O-(O-2-(acetylamino)-2-deoxy-beta-D-galactopyranosyl-(1->4)-O-(N-acetyl-alpha-neuraminosyl-(2->3))-O-beta-D-galactopyranosyl-(1->4)-beta-D-glucopyranosyl)-ceramide.,function:Involved in the biosynthesis of gangliosides GM2, GD2 and GA2.,online information:Beta-1,4 N-acetylgalactosaminyltransferase 1,online information:GlycoGene database,pathway:Protein modification; protein glycosylation.,similarity:Belongs to the glycosyltransferase 2 family.,subunit:Homodimer; disulfide-linked.,