



GM2/GD2 synthase rabbit pAb

Cat No.:ES2440

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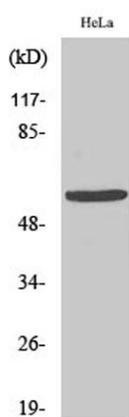
Overview

Product Name	GM2/GD2 synthase rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human B4GALNT1. AA range:281-330
Specificity	GM2/GD2 synthase Polyclonal Antibody detects endogenous levels of GM2/GD2 synthase protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Beta-1,4 N-acetylgalactosaminyltransferase 1
Gene Name	B4GALNT1
Cellular localization	Golgi apparatus membrane ; Single-pass type II membrane protein .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	60kD
Human Gene ID	2583
Human Swiss-Prot Number	Q00973
Alternative Names	B4GALNT1; GALGT; SIAT2; Beta-1; 4 N-acetylgalactosaminyltransferase 1; (N-acetylneuraminyl)-galactosylglucosylceramide; GM2/GD2 synthase; GalNAc-T
Background	beta-1,4-N-acetyl-galactosaminyltransferase 1(B4GALNT1) Homo sapiens GM2 and GD2 gangliosides are sialic acid-containing

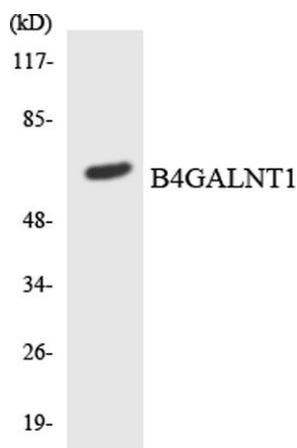




glycosphingolipids. GalNAc-T is the enzyme involved in the biosynthesis of G(M2) and G(D2) glycosphingolipids. GalNAc-T catalyzes the transfer of GalNAc into G(M3) and G(D3) by a beta-1,4 linkage, resulting in the synthesis of G(M2) and G(D2), respectively. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2013],



Western Blot analysis of various cells using GM2/GD2 synthase Polyclonal Antibody



Western blot analysis of the lysates from COLO205 cells using B4GALNT1 antibody.

