

Datasheet for ABIN2783666

anti-B3GALTL antibody (Middle Region)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	B3GALTL
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Dog, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This B3GALTL antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human B3GALTL
Sequence:	DYPKDYLSHQ VPISFHKHWN IDPVKVYFTW LAPSDSDKAR QETQKGFREE
Predicted Reactivity:	Dog: 93%, Human: 100%, Mouse: 79%, Rat: 79%
Characteristics:	This is a rabbit polyclonal antibody against B3GALTL. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	B3GALTL
Alternative Name:	B3GALTL (B3GALTL Products)

Target Details

Background:	<p>B3GALTL is the O-fucosyltransferase that transfers glucose toward fucose with a beta-1,3 linkage. B3GALTL specifically glucosylates O-linked fucosylglycan on TSP type-1 domains of proteins, thereby contributing to elongation of O-fucosylglycan. B3GALTL is a beta-1,3-glucosyltransferase involved in the synthesis of the unusual O-linked disaccharide glucosyl-beta-1,3-fucose-O- found on the thrombospondin (see THBS1, MIM 188060) type-1 repeats (TSRs) of many biologically important proteins. Biosynthesis of glucosyl-beta-1,3-fucose-O- is initiated by protein O-fucosyltransferase-2 (POFUT2, MIM 610249), which attaches the fucosyl residue to a serine or threonine within the TSR. B3GALTL subsequently transfers the glucose onto TSR-fucose (Hess et al., 2008 [PubMed 18199743]).[supplied by OMIM].</p> <p>PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-270 DN999521.1 41-310 271-457 AB101481.1 161-347 458-467 DN999521.1 499-508 468-1217 AB101481.1 358-1107 1218-1279 DA290408.1 515-576 1280-1607 AB101481.1 1170-1497 1608-2495 AY190526.1 1498-2385 2496-3459 AY190526.1 2387-3350 3460-4071 AV728071.1 87-698 4072-4221 AA769548.1 1-150 c</p> <p>Alias Symbols: B3GTL, B3Glc-T, Gal-T, beta3Glc-T, B3GLCT</p> <p>Protein Interaction Partner: UBC, ELAVL1,</p> <p>Protein Size: 498</p>
Molecular Weight:	56 kDa
Gene ID:	145173
NCBI Accession:	NM_194318 , NP_919299
UniProt:	Q6Y288

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 498 AA
Restrictions:	For Research Use only

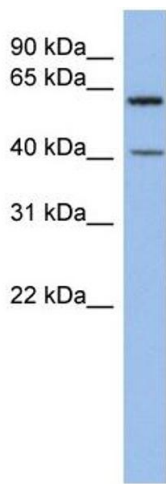
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-B3GALTL Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:12500 Positive Control: SH-SY5Y cell lysate