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β-1,3-Gal-TL Polyclonal Antibody

Catalog # AP73188

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	Q6Y288
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56564

Additional Information

Gene ID	145173
Other Names	B3GALTL; B3GTL; Beta-1; 3-glucosyltransferase; Beta3Glc-T; Beta-3-glycosyltransferase-like
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

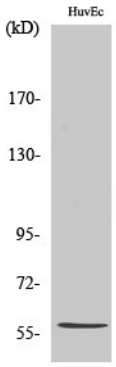
Protein Information

Name	B3GLCT (HGNC:20207)
Synonyms	B3GALTL, B3GTL
Function	Beta-1,3-glucosyltransferase involved in one of the two pathways responsible for protein O-linked fucosylation, a unique post- translational modification of cysteine-knotted proteins that regulates various biological processes. This pathway targets proteins with Thrombospondin type-1 (TSP1) repeats (TSR) in the endoplasmic reticulum. It starts with POFUT2, which attaches fucose via an O- glycosidic bond to a conserved serine or threonine residue. B3GLCT extends this modification by transferring a glucose molecule from UDP- glucose to the fucose.
Cellular Location	Endoplasmic reticulum membrane {ECO:0000255|PROSITE-ProRule:PRU10138, ECO:0000269|PubMed:16899492}; Single-pass type II membrane protein
Tissue Location	Widely expressed, with highest levels in testis and uterus.

Background

O-glucosyltransferase that transfers glucose toward fucose with a beta-1,3 linkage. Specifically glucosylates O-linked fucosylglycan on TSP type-1 domains of proteins, thereby contributing to elongation of O-fucosylglycan.

Images



Western Blot analysis of various cells using β-1,3-Gal-TL Polyclonal Antibody diluted at 1：500. Secondary antibody was diluted at 1:20000

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.