Human Polypeptide GalNAc Transferase 4/GALNT4 Alexa Fluor® 532-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF7528X
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Polypeptide GalNac Transferase 4/GALNT4 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human (rh) GALNT1 and rhGALNT3 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Polypeptide GalNac Transferase 4/GALNT4 Ala36-Lys578 Accession # Q8N4A0
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

GALNT4 (Polypeptide N-acetylgalactosaminyltransferase 4; also Polypeptide GalNAc transferase 4 and UDP-GalNAc:polypeptide Nacetylgalactosaminyltransferase 4) is a 66 kDa member of the GalNAC transferase subfamily, glycosyltransferase 4 family of enzymes. It is widely expressed, highly expressed in mucous cells. GALNT4 is found in the Golgi apparatus, and catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. Human GALNT4 is a 578 amino acid (aa) type II transmembrane protein. It contains a twelve aa N-terminal cytoplasmic region and a 543 aa extracellular lumenal domain (aa 36-578). There is a potential 45 kDa splice form variant. Over aa 36-578, human GALNT4 shares 92% aa sequence identity with mouse GALNT4.

PRODUCT SPECIFIC NOTICES

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