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Galnt13 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI13149

Specification

Galnt13 Antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	Q6UE39
Other Accession	NM_199106, NP_954537
Reactivity	**Human, Mouse, Rat, Rabbit, Horse, Bovine, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Horse, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**61kDa KDa**

Galnt13 Antibody - C-terminal region - Additional Information

Gene ID 311039

Alias Symbol	**T13**

Other Names
Polypeptide N-acetylgalactosaminyltransferase 13, 2.4.1.41, Polypeptide GalNAc transferase 13, GalNAc-T13, pp-GaNTase 13, Protein-UDP acetylgalactosaminyltransferase 13, UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 13, Galnt13

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

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-Galnt13 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
Galnt13 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Galnt13 Antibody - C-terminal region - Protein Information

Name Galnt13

Function
Catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine (GalNAc) residue from UDP-GalNAc to a serine or threonine residue on the protein receptor (By similarity). Generates GalNAc-O-Ser/Thr structure also known as Tn antigen, which itself is immunogenic but also serves as a precursor for the synthesis of different mucin-type O-glycan core structures (By similarity). Contributes to the synthesis of O-linked

glycans on mucins and proteoglycans of the central nervous system (By similarity). Can glycosylate both unmodified peptides and glycopeptides that already contain an O-linked GalNAc sugar. Transfers GalNAc to Thr-/Ser-rich tandem repeats GTTPSPVPTTSTTSAP of MUC5AC. Transfers GalNAc to three consecutive serine/threonine residues on SDC3 forming a triplet-Tn epitope expressed in Purkinje cells of the developing brain (By similarity). May promote neurogenesis through glycosylation and stabilization of PDPN (By similarity).

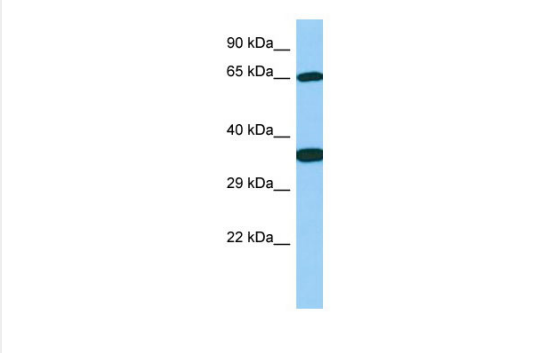
Cellular Location
Golgi apparatus membrane; Single- pass type II membrane protein

Galnt13 Antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Galnt13 Antibody - C-terminal region - Images



Host: Rabbit
Target Name: Galnt13
Sample Tissue: Rat Stomach lysates
Antibody Dilution: 1.0µg/ml

Galnt13 Antibody - C-terminal region - References

Huang C.Q.,et al.Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.