

Galnt13 Antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI13149

Product Information

Application	WB
Primary Accession	Q6UE39
Other Accession	NM_199106 , NP_954537
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	63949

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.

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).

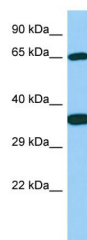
Cellular Location

Golgi apparatus membrane; Single- pass type II membrane protein

References

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

Images



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

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