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GALNTL2 (10Y10) Rabbit Monoclonal Antibody

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Catalog # AP93740

Product Information

Application	WB, IHC
Primary Accession	Q8N3T1, Q9D2N8
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Calculated MW	73063

Additional Information

Gene ID	117248
Dilution	WB~~1:1000 IHC~~1:100~500
Storage Conditions	-20℃

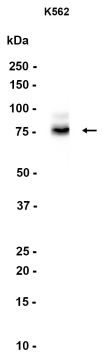
Protein Information

Name	GALNT15
Synonyms	GALNTL2
Function	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. Although it displays a much weaker activity toward all substrates tested compared to GALNT2, it is able to transfer up to seven GalNAc residues to the Muc5AC peptide, suggesting that it can fill vicinal Thr/Ser residues in cooperation with other GALNT proteins. Prefers Muc1a as substrate.
Cellular Location	Golgi apparatus membrane; Single- pass type II membrane protein
Tissue Location	Widely expressed. Highly expressed in small intestine, placenta, spleen, cerebral cortex and ovary. Expressed at intermediate level in uterus, mammary gland, stomach, cerebellum and whole brain. Weakly expressed in fetal brain, bone marrow, thyroid gland, thymus, heart, skeletal muscle, lung, liver, colon, pancreas, kidney and testis. Not expressed in leukocyte. Expressed in both normal and osteoarthritic cartilage. Expressed at low level in chondrocytes in all zones of both normal and osteoarthritic cartilage

Background

Predicted to enable polypeptide N-acetylgalactosaminyltransferase activity. Predicted to be involved in O-glycan processing. Located in transport vesicle. [provided by Alliance of Genome Resources, Apr 2022]

Images



Western blot analysis of extracts from K562 cells using AP93740 at 1:1000.