



Anti-GALNT7 (aa 559-657) polyclonal antibody (DPAB-DC2213)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes GalNAc transferase 7, a member of the GalNAc-transferase family. The enzyme encoded by this gene controls the initiation step of mucin-type O-linked protein glycosylation and transfer of N-acetylgalactosamine to serine and threonine amino acid residues. This enzyme is a type II transmembrane protein and shares common sequence motifs with other family members. Unlike other family members, this enzyme shows exclusive specificity for partially GalNAc-glycosylated acceptor substrates and shows no activity with non-glycosylated peptides. This protein may function as a follow-up enzyme in the initiation step of O-glycosylation.
Immunogen	GALNT7 (NP_059119, 559 a.a. ~ 657 a.a) partial recombinant protein with GST tag. The sequence is LGPCHRMGGNQLFRINEANQLMQYDQCLTKGADGSKVMITHCNLNEFKEWQYFKNLHRFT HIPSGKCLDRSEVLHQVFISNCDSSKTTQKWEMNNIHSV
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	GALNT7 polypeptide N-acetylgalactosaminyltransferase 7 [Homo sapiens (human)]
Official Symbol	GALNT7
Synonyms	GALNT7; polypeptide N-acetylgalactosaminyltransferase 7; GalNAcT7; GALNAC-T7; N-acetylgalactosaminyltransferase 7; pp-GaNTase 7; polypeptide GalNAc transferase 7; protein-UDP acetylgalactosaminyltransferase 7; UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 7; UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 7 (GalNAc-T7);
Entrez Gene ID	51809
Protein Refseq	NP_059119
UniProt ID	Q86SF2
Chromosome Location	4q31.1
Pathway	Metabolism of proteins; Mucin type O-Glycan biosynthesis; O-glycan biosynthesis, mucin type core; O-linked glycosylation of mucins
Function	metal ion binding; polypeptide N-acetylgalactosaminyltransferase activity;