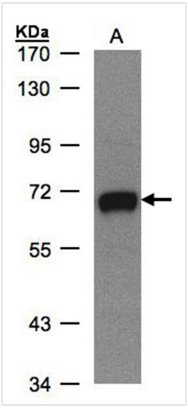
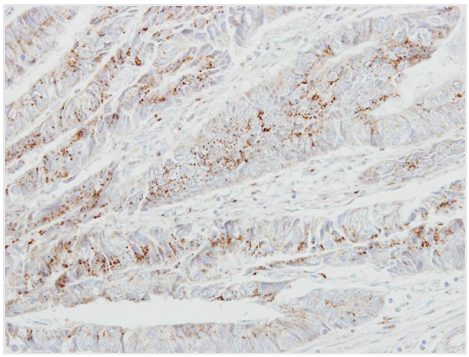
GALNT2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

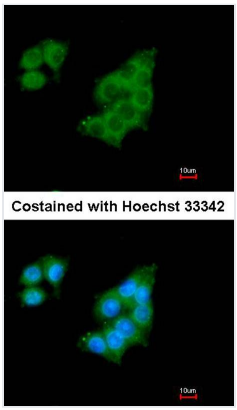
Product Name	GALNT2, Polyclonal Antibody
Full Product Name	GALNT2 antibody
Product Gene Name	anti-GALNT2 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied in 0.1M Tris-buffered saline with 10% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.
Purity/Purification	Purified by antigen-affinity chromatography.
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.
Molecular Weight	30,256 Da
OMIM	602274
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 55 and 339 of Human GALNT2
Target Name	GALNT2
Product Categories/Family for anti-GALNT2 antibody	Total protein Ab
Applications Tested/Suitable for anti-GALNT2 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-GALNT2 antibody	Western blotting: 1:500-1:3000 Immunohistochemistry: 1:100-1:250 Immunofluorescence: 1:100-1:200
Related Product Information for anti-GALNT2 antibody	This gene encodes polypeptide N-acetylgalactosaminyltransferase 2, a member of the GalNAc-transferases family. This family transfers an N-acetyl galactosamine to the hydroxyl group of a serine or threonine residue in the first step of O-linked oligosaccharide biosynthesis. Individual GalNAc-transferases have distinct activities and initiation of O-glycosylation in a cell is regulated by a repertoire of GalNAc-transferases. [provided by RefSeq]
Other Notes	Small volumes of anti-GALNT2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GALNT2 purchase	MBS9404715 is an antibody targeting GALNT2. Also known as GALNT2 antibody. Reactive in Human. Host: Rabbit.



Testing Data of anti-GALNT2 antibody
Sample(30 ug whole cell lysate)A: MOLT4 7.5% SDS PAGEPrimary antibody diluted at 1: 500



Immunohistochemistry (IHC) of anti-GALNT2 antibody
Immunohistochemical analysis of paraffin-embedded Colon ca, using GALNT2 antibody at 1: 250 dilution.



Immunofluorescence (IF) of anti-GALNT2 antibody
Immunofluorescence analysis of methanol-fixed HepG2, using GALNT2 antibody at 1: 200 dilution.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GALNT2. It may not necessarily be applicable to this product.

NCBI GI #	4758412
NCBI GeneID	2590
NCBI Accession #	NP_004472
UniProt Secondary Accession #	Q9NPY4; A8K1Y3; B7Z8V8; C5HU00
UniProt Related Accession #	Q10471
GenBank Nucleotide #	NM_004481.4
NCBI Official Full Name	polypeptide N-acetylgalactosaminyltransferase 2
NCBI Official Synonym Full Names	polypeptide N-acetylgalactosaminyltransferase 2
NCBI Official Symbol	GALNT2
NCBI Official Synonym Symbols	GalNAc-T2
UniProt Protein Name	Polypeptide N-acetylgalactosaminyltransferase 2
UniProt Synonym Protein Names	Polypeptide GalNAc transferase 2; GalNAc-T2; pp-GaNTase 2
Protein Family	Polypeptide N-acetylgalactosaminyltransferase
UniProt Gene Name	GALNT2

UniProt Synonym Gene Names	GalNAc-T2; pp-GaNTase 2
UniProt Entry Name	GALT2_HUMAN
NCBI Protein Information	polypeptide N-acetylgalactosaminyltransferase 2
NCBI Summary for GALNT2	This gene encodes a member of the glycosyltransferase 2 protein family. Members of this family initiate mucin-type O-glycoslation of peptides in the Golgi apparatus. The encoded protein may be involved in O-linked glycosylation of the immunoglobulin A1 hinge region. This gene may influence triglyceride levels, and may be involved Type 2 diabetes, as well as several types of cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]
UniProt Comments for GALNT2	GALNT2: an enzyme that 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. A single-pass type II membrane protein that localizes to the Golgi apparatus membrane. Has a broad spectrum of substrates for peptides such as EA2, Muc5AC, Muc1a, Muc1b. Protein type: EC 2.4.1.41; Glycan Metabolism - O-glycan biosynthesis; Membrane protein, integral; Transferase Chromosomal Location of Human Ortholog: 1q41-q42 Cellular Component: Golgi membrane; Golgi apparatus; Golgi stack; membrane; perinuclear region of cytoplasm; integral to Golgi membrane Molecular Function: polypeptide N-acetylgalactosaminyltransferase activity; manganese ion binding; carbohydrate binding Biological Process: protein amino acid O-linked glycosylation; cellular protein metabolic process; O-glycan processing; protein amino acid O-linked glycosylation via threonine; immunoglobulin biosynthetic process; post-translational protein modification; protein amino acid O-linked glycosylation via serine
Research Articles on GALNT2	**1.** promoter DNA hypermethylation of the ABCG1 and GALNT2 genes, but not the HMGCR gene, is associated with an increased risk of CHD.
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