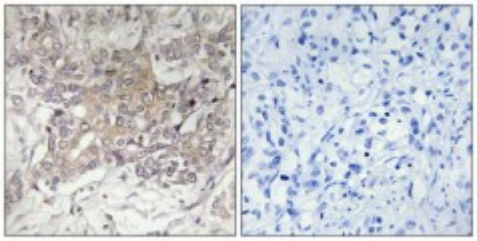
Anti-GCNT3 antibody



Description	Rabbit polyclonal to GCNT3.

Model	STJ93241
Host	Rabbit
Reactivity	Human
Applications	ELISA, IF, IHC
Immunogen	Synthesized peptide derived from human GCNT3
Immunogen Region	200-280 aa, Internal
Gene ID	9245
Gene Symbol	GCNT3
Dilution range	IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000
Specificity	GCNT3 Polyclonal Antibody detects endogenous levels of GCNT3 protein.
Tissue Specificity	Primarily expressed in mucus-secreting tissues. Expressed in colon, kidney, small intestine, trachea, and stomach, where mucin is produced.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 3 C2GnT-mucin type C2GnT-M hC2GnT-M Core 2/core 4 beta-1,6-N-acetylglucosaminyltransferase C2/4GnT
Molecular Weight	50.864 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:4205OMIM:606836
Alternative Names	Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 3 C2GnT-mucin type C2GnT-M hC2GnT-M Core 2/core 4 beta-1,6-N-acetylglucosaminyltransferase C2/4GnT
Function	Glycosyltransferase that can synthesize all known mucin beta 6 N-acetylglucosaminides. Mediates core 2 and core 4 O-glycan branching, 2 important steps in mucin-type biosynthesis. Has also I-branching enzyme activity by converting linear into branched poly-N-acetyllactosaminoglycans, leading to introduce the blood group I antigen during embryonic development.
Cellular Localization	Golgi apparatus membrane
Post-translational Modifications	N-glycosylated.