

GCNT3 Rabbit pAb

Catalog # AP96752

Product Information

Application	WB
Primary Accession	O95395
Other Accession	O95395
Reactivity	Mouse
Predicted	Rat, Pig, Human, Rabbit, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50864
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GCNT3
Epitope Specificity	351-438/438
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the glycosyltransferase 14 family.
Post-translational modifications	N-glycosylated.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	2010013H22Rik; 2210021I22Rik; 2210401J11Rik; 3-galactosyl-O-glycosyl-glycoprotein beta-1; 6-N-acetylglucosaminyltransferase 3; 6-N-acetylglucosaminyltransferase; Beta 1 3 galactosyl O glycosyl glycoprotein beta 1 6 N acetylglucosaminyltransferase 3; Beta-1; Beta1 6 N acetylglucosaminyltransferase 3; beta1 6 N acetylglucosaminyltransferase; C2/4GnT; C24GNT; C2GnT M; C2GnT mucin type; C2GnT-M; C2GnT-mucin type; C2GnT2; C2GNTM; Core 2 beta 1 6 N acetylglucosaminyltransferase II; Core 2/core 4 beta 1 6 N acetylglucosaminyltransferase; Core 2/core 4 beta-1; dI/C2/C4GnT; EC 2.4.1.102; EC 2.4.1.150; GCNT3; GCNT3_HUMAN; Glucosaminyl (N acetyl) transferase 3; Glucosaminyl (N acetyl) transferase 3 mucin type; GnT M; GNTM; hC2GnT M; hC2GnT-M; Mucus-type core 2 beta-1,6-N-acetylglucosaminyltransferase. OTTHUMP00000163601.

Additional Information

Gene ID	9245
Other Names	C2/4GnT; C24GNT; C2GNT2; C2GNTM; GNTM; 2010013H22Rik; 2210021I22Rik; 2210401J11Rik; C2GnT-M; dI/C2/C4GnT; dIGnT; XELAEV_18018132mg; gcnt3; GCNT3_BOVIN; C2GnT-mucin type; Mucus-type core 2 beta-1, 6-N-acetylglucosaminyltransferase; bC2GnT-M (C2GnT-M); 2.4.1.102; 2.4.1.148; 2.4.1.150; GCNT3_HUMAN; C2GnT-mucin type (C2GnT-M

hC2GnT-M); Core 2/core 4 beta-1, 6-N-acetylglucosaminyltransferase (C2/4GnT); GCNT3_MOUSE; C2GnT-mucin type (C2GnT-M); GCNT3_RAT; dI/C2/C4GnT (dIGnT); GCNT3_XENLA; glucosaminyl (N-acetyl) transferase 3, mucin type

Dilution

WB=1:500-2000

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name

GCNT3

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. Also has I- branching enzyme activity by converting linear into branched poly-N- acetyllactosaminoglycans, leading to introduce the blood group I antigen during embryonic development.

Cellular Location

Golgi apparatus membrane; Single- pass type II membrane protein

Tissue Location

Primarily expressed in mucus-secreting tissues. Expressed in colon, kidney, small intestine, trachea, and stomach, where mucin is produced.

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