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St6galnac1 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12798

Product Information

Application	WB
Primary Accession	Q9QZ39
Other Accession	NM_011371, NP_035501
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60734

Additional Information

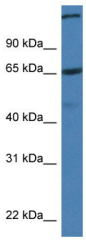
Gene ID	20445
Alias Symbol	Siat7a
Other Names	Alpha-N-acetylgalactosaminide alpha-2, 6-sialyltransferase 1, 2.4.99.3, GalNAc alpha-2, 6-sialyltransferase I, ST6GalNAc I, ST6GalNAcI, Sialyltransferase 7A, SIAT7-A, St6galnac1, Siat7a
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-St6galnac1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	St6galnac1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	St6galnac1 {ECO:0000312|MGI:MGI:1341826}
Synonyms	Siat7a
Function	Protein sialyltransferase specifically expressed in goblet cells that plays a key role in intestinal host-commensal homeostasis (PubMed:35303419). Conjugates sialic acid with an alpha-2-6 linkage to N-acetylgalactosamine (GalNAc) glycan chains linked to serine or threonine in glycoproteins (PubMed:10788794). Catalyzes the formation of the sialyl-Tn (S-Tn) antigen, an antigen found in intestinal goblet cells (PubMed:35303419, PubMed:16207894). Protein sialylation in globlet cells is essential for mucus

	integrity and is required to protect the intestinal mucus against excessive bacterial proteolytic degradation (PubMed:35303419).
Cellular Location	Golgi apparatus membrane {ECO:0000250|UniProtKB:Q9NSC7}; Single-pass type II membrane protein {ECO:0000250|UniProtKB:Q9NSC7}
Tissue Location	Submaxillary gland, mammary gland, spleen and colon.

Images



WB Suggested Anti-St6galnac1 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Pancreas

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