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St6galnac1 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12798

Specification

St6galnac1 antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	Q9QZ39
Other Accession	NM_011371, NP_035501
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**61kDa KDa**

St6galnac1 antibody - C-terminal region - 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.

St6galnac1 antibody - C-terminal region - 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

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(PubMed:10788794). Catalyzes the formation of the sialyl-Tn (S-Tn) antigen, an antigen found in intestinal goblet cells (PubMed:35303419). 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}

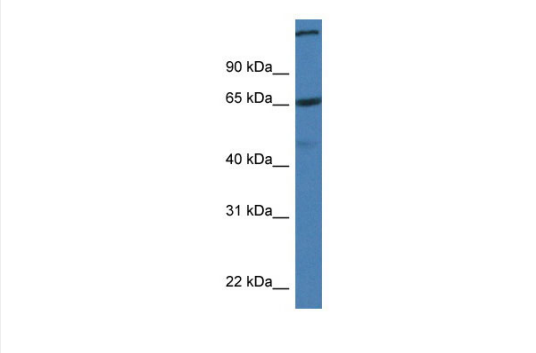
Tissue Location
Submaxillary gland, mammary gland, spleen and colon.

St6galnac1 antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

St6galnac1 antibody - C-terminal region - Images



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