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SIA8D Rabbit pAb

Catalog # AP98100

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q92187
Other Accession	Q92187
Predicted	Rat, Human, Mouse, Rabbit, Chicken, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41295
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SIA8D
Epitope Specificity	101-200/359
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 29 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	7903
Other Names	PST; PST1; SIAT8-D; SIAT8D; ST8SIA-IV; ST8SiaIV; PST-1; SIA8D_HUMAN; ST8SIA4; Alpha-2, 8-sialyltransferase 8D; Polysialyltransferase; Polysialyltransferase-1; Sialyltransferase 8D (SIAT8-D); Sialyltransferase St8Sia IV (ST8SiaIV); 2.4.3.-; SIA8D_MOUSE; ST8 alpha-N-acetyl-neuraminide alpha-2, 8-sialyltransferase 4; sialyltransferase 8 (alpha-2, 8-polysialytransferase) D; ST8 alpha-N-acetylneuraminate alpha-2, 8-sialyltransferase 4; ST8Sia IV
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	ST8SIA4 (HGNC:10871)
Function	Catalyzes the transfer of a sialic acid from a CMP-linked sialic acid donor onto a terminal alpha-2,3-, alpha-2,6-, or alpha-2,8- linked sialic acid of an N-linked glycan protein acceptor through alpha-2,8-linkages

	(PubMed:10766765, PubMed:11279095, PubMed:28810663, PubMed:9774483). Therefore, participates in polysialic acid synthesis on various sialylated N-acetyllactosaminyl oligosaccharides, including NCAM1 N-glycans, FETUB N-glycans and AHSG (PubMed:10766765, PubMed:11279095, PubMed:28810663, PubMed:9774483). It is noteworthy that alpha-2,3-linked sialic acid is apparently a better acceptor than alpha-2,6-linked sialic acid (PubMed:9774483).
Cellular Location	Golgi apparatus membrane; Single-pass type II membrane protein. Secreted
Tissue Location	Highly expressed in fetal brain, lung and kidney and in adult heart, spleen and thymus (PubMed:7624364). Present to a lesser extent in adult brain, placenta, lung, large and small intestine and peripheral blood leukocytes (PubMed:7624364)

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