

**DATASHEET**

**STX Rabbit Polyclonal Antibody**

CAT. NO. APA13719

**KEY FEATURES**

Target	STX	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

**BACKGROUND**

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 acceptor through alpha-2,8-linkages (Probable) . Therefore, participates in polysialic acid synthesis on various sialylated N-acetylglucosaminyl oligosaccharides (alpha-2,3-, alpha-2,6-, or alpha-2,8-linked sialic acid), including NCAM1, NCAM1 N-glycans, FETUB N-glycans, and to a lesser extent sialylparagloboside (SPG) and AHSG, which does not require the initial addition of an alpha 2,8-sialic acid (Probable) . However, does not exhibit sialic acid-polymerase activity . Catalyzes polysialic acid synthesis in the hippocampal on NCAM1 and supports neurite outgrowth .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IHC	1:50 - 1:100

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

Description	Rabbit polyclonal antibody to STX
Specificity	Recognizes endogenous levels of STX protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human STX
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 42 kD; Observed: 42 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	SIAT8B; STX; Alpha-2,8-sialyltransferase 8B; Sialyltransferase 8B; SIAT8-B; Sialyltransferase St8Sia II; ST8SiaII; Sialyltransferase X; STX
Gene Symbol	ST8SIA2
Entrez Gene	8128(Human); 20450(Mouse); 117523(Rat)
SwissProt	Q92186(Human); O35696(Mouse); Q07977(Rat)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

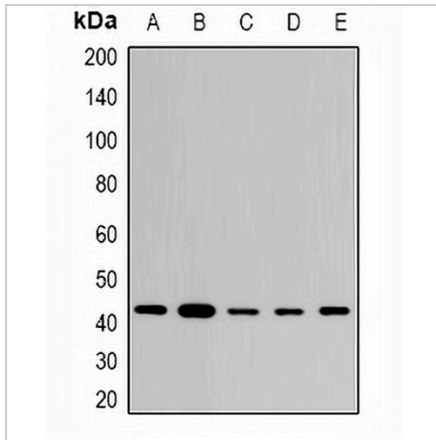
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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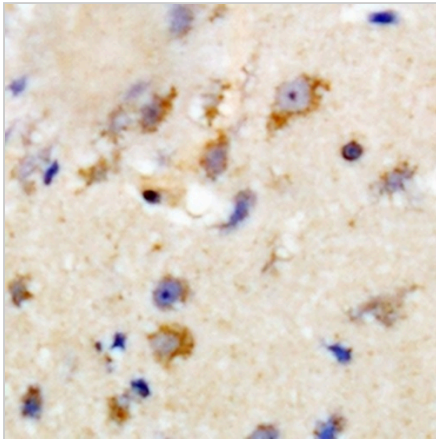
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**DATA**



Western blot analysis of STX expression in THP1 (A), SKOV3 (B), mouse brain (C), mouse lung (D), rat heart (E) whole cell lysates. (Predicted band size: 42 kD; Observed band size: 42 kD)



Immunohistochemical analysis of STX staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.