

Datasheet for ABIN2782609
anti-ST3GAL5 antibody (N-Term)

3 Images

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Overview

Quantity:	100 µL
Target:	ST3GAL5
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Pig, Rabbit, Horse, Cow, Dog, Sheep, Goat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ST3GAL5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human ST3GAL5
Sequence:	DSEASKYDP PFGFRKFSSK VQTLLELLPE HDLPEHLKAK TCRRCVVIGS
Predicted Reactivity:	Cow: 93%, Dog: 93%, Goat: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Sheep: 93%
Characteristics:	This is a rabbit polyclonal antibody against ST3GAL5. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	ST3GAL5
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Target Details

Alternative Name:	ST3GAL5 (ST3GAL5 Products)
Background:	<p>Ganglioside GM3 is known to participate in the induction of cell differentiation, modulation of cell proliferation, maintenance of fibroblast morphology, signal transduction, and integrin-mediated cell adhesion. ST3GAL5 is a type II membrane protein which catalyzes the formation of GM3 using lactosylceramide as the substrate. It is a member of glycosyltransferase family 29 and may be localized to the Golgi apparatus. Mutation in its gene has been associated with Amish infantile epilepsy syndrome. Ganglioside GM3 is known to participate in the induction of cell differentiation, modulation of cell proliferation, maintenance of fibroblast morphology, signal transduction, and integrin-mediated cell adhesion. The protein encoded by this gene is a type II membrane protein which catalyzes the formation of GM3 using lactosylceramide as the substrate. The encoded protein is a member of glycosyltransferase family 29 and may be localized to the Golgi apparatus.</p> <p>Alias Symbols: SIAT9, SIATGM3S, ST3GalV, SATI</p> <p>Protein Size: 418</p>
Molecular Weight:	48 kDa
Gene ID:	8869
NCBI Accession:	NM_003896 , NP_003887
UniProt:	Q6NZX4

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 418 AA
Restrictions:	For Research Use only

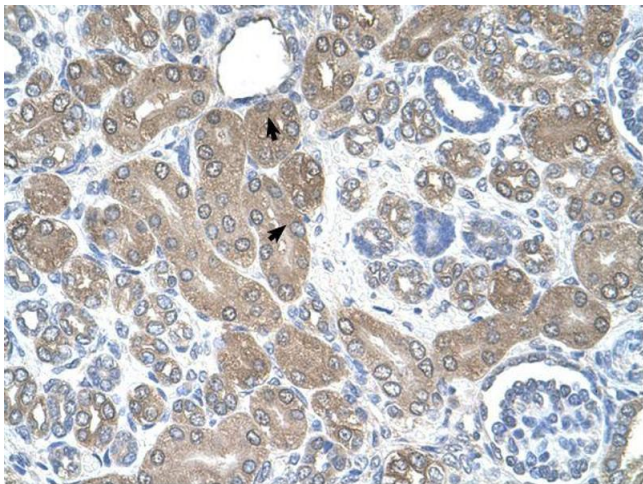
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

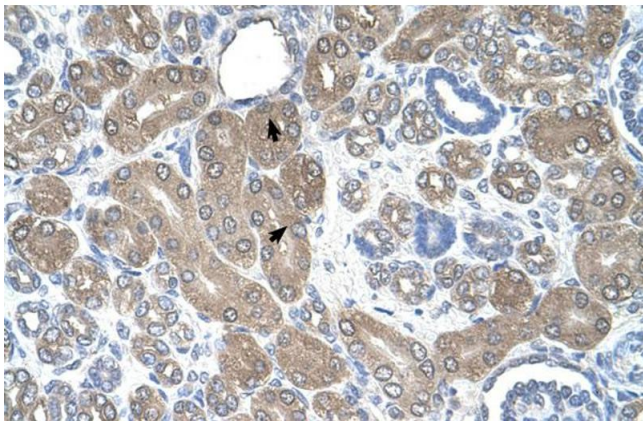
	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



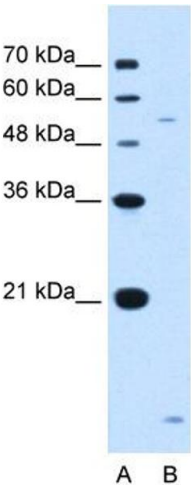
Immunohistochemistry

Image 1.



Immunohistochemistry

Image 2. Human kidney



Western Blotting

Image 3. WB Suggested Anti-ST3GAL5 Antibody Titration:
1.25ug/ml Positive Control: Jurkat cell lysate