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Datasheet for ABIN2782206

anti-ST3GAL1 antibody (C-Term)

1 Image

Overview

Quantity:	100 µL
Target:	ST3GAL1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ST3GAL1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human ST3GAL1
Sequence:	YVFDNWLQGH GRYPSTGILS VIFSMHVCDE VDLYGFGADS KGNWHHYWEN
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 93%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against ST3GAL1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ST3GAL1
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Target Details

Alternative Name: ST3GAL1 ([ST3GAL1 Products](#))

Background: ST3GAL1 is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. It is normally found in the Golgi but can be proteolytically processed to a soluble form. Correct glycosylation of ST3GAL1 protein may be critical to its sialyltransferase activity. This protein, which is a member of glycosyltransferase family 29, can use the same acceptor substrates as does sialyltransferase 4B. The protein encoded by this gene is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. The encoded protein is normally found in the Golgi but can be proteolytically processed to a soluble form. Correct glycosylation of the encoded protein may be critical to its sialyltransferase activity. This protein, which is a member of glycosyltransferase family 29, can use the same acceptor substrates as does sialyltransferase 4B. Two transcript variants encoding the same protein have been found for this gene. Other transcript variants may exist, but have not been fully characterized yet.

Alias Symbols: Gal-NAc6S, MGC9183, SIAT4A, SIATFL, ST3GalA, ST3GalA.1, ST3GalIA,1, ST3O, ST3GalIA

Protein Interaction Partner: GSTA1,

Protein Size: 340

Molecular Weight: 39 kDa

Gene ID: 6482

NCBI Accession: [NM_003033](#), [NP_003024](#)

UniProt: [Q11201](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 340 AA

Restrictions: For Research Use only

Handling

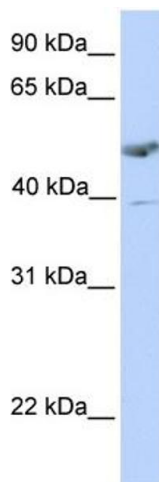
Format: Liquid

Concentration: Lot specific

Handling

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 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



Western Blotting

Image 1. WB Suggested Anti-ST3GAL1 Antibody Titration:
0.2-1 ug/ml Positive Control: Human Placenta