



[Go to Product page](#)

Datasheet for ABIN1708681
anti-GALNT13 antibody (AA 351-450) (Cy7)

Overview

Quantity:	100 µL
Target:	GALNT13
Binding Specificity:	AA 351-450
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GALNT13 antibody is conjugated to Cy7
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GALNT13/GalNAc-T13
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human, Mouse, Dog, Cow, Sheep, Pig, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	GALNT13
Alternative Name:	GALNT13/GalNAc-T13 (GALNT13 Products)

Target Details

Background:	<p>Synonyms: GalNAc T13, GalNAc transferase 13, N acetylgalactosaminyltransferase 13, Polypeptide GalNAc transferase 13, pp GaNTase 13, Protein UDP acetylgalactosaminyltransferase 13, UDP GalNAc:polypeptide N acetylgalactosaminyltransferase 13, UDP N acetyl alpha D galactosamine:polypeptide, GLT13_HUMAN.</p> <p>Background: The UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase (GalNAc-T) family of enzymes are substrate-specific proteins that catalyze the transfer of GalNAc (N-acetylgalactosamine) to serine and threonine residues onto various proteins, thereby initiating mucin-type O-linked glycosylation in the Golgi apparatus. GalNAc-T13 (Polypeptide N-acetylgalactosaminyltransferase 13), also known as UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 13, is a 556 amino acid protein that displays much stronger enzymatic activity than GalNAc-1 towards GalNAc transfer to mucin peptides such as Muc5a and Muc7. The N-terminal domain is involved in substrate binding and manganese coordination, while the C-terminal domain is involved in UDP-Gal binding and catalytic reaction. With specific expression in the central nervous system, GalNAc-T13 may be responsible for the synthesis of Tn antigen in neuronal cells, which is a universal carcinoma marker on malignant cells.</p>
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Gene ID:	114805
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Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	1 µg/µL
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Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
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Preservative:	ProClin
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Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
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Handling

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months