

Product datasheet

Anti-GALNT8 antibody ab121374

3 Images

Overview

Product name	Anti-GALNT8 antibody
Description	Rabbit polyclonal to GALNT8
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IHC-P, WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment, corresponding to amino acids 502-629 of Human GALNT8 (Q9NY28).
Positive control	Human small intestine tissues; RT4, U251 MG, Human liver and Human tonsil lysates.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab121374** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

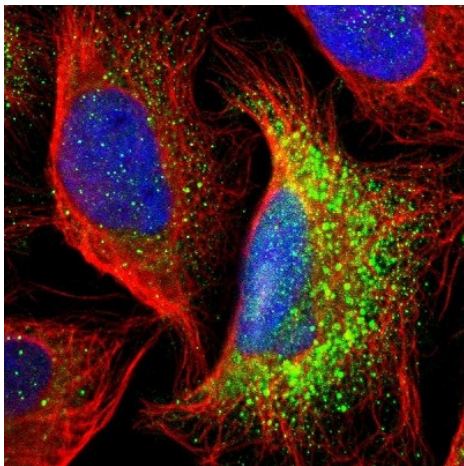
Application	Abreviews	Notes
ICC/IF		Use at an assay dependent concentration.
IHC-P		1/50 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Application	Abreviews	Notes
WB		1/250 - 1/500.

Target

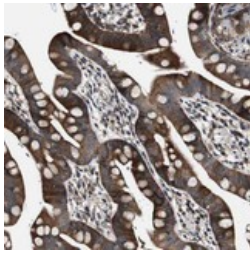
Function	Probably catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor.
Tissue specificity	Widely expressed. Expressed in heart, skeletal muscle, kidney, liver, small intestine and placenta. Weakly expressed in colon, thymus, spleen, lung and leukocyte.
Pathway	Protein modification; protein glycosylation.
Sequence similarities	Belongs to the glycosyltransferase 2 family. GalNAc-T subfamily. Contains 1 ricin B-type lectin domain.
Domain	There are two conserved domains in the glycosyltransferase region: the N-terminal domain (domain A, also called GT1 motif), which is probably involved in manganese coordination and substrate binding and the C-terminal domain (domain B, also called Gal/GalNAc-T motif), which is probably involved in catalytic reaction and UDP-Gal binding. The ricin B-type lectin domain binds to GalNAc and contributes to the glycopeptide specificity.
Cellular localization	Golgi apparatus membrane.

Images



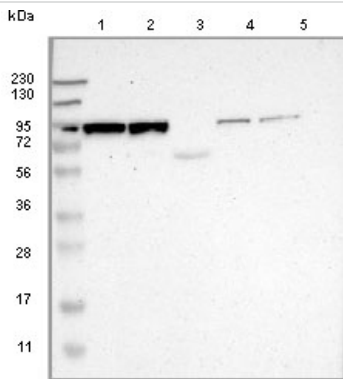
Immunofluorescent staining of human cell line U-2 OS shows positivity in vesicles. Antibody staining is shown in green.

Immunocytochemistry/ Immunofluorescence - Anti-GALNT8 antibody (ab121374)



ab121374 at 1/75 dilution staining GALNT8 in Paraffin-embedded Human Small intestine tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GALNT8 antibody (ab121374)



All lanes : Anti-GALNT8 antibody (ab121374) at 1/250 dilution

Lane 1 : RT4 lysate

Lane 2 : U251 MG lysate

Lane 3 : Human plasma

Lane 4 : Human liver lysate

Lane 5 : Human tonsil lysate

Western blot - Anti-GALNT8 antibody (ab121374)

Developed using the ECL technique.

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