

Product datasheet

Anti-GALNT8 antibody ab121374

3 Images

Overview

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

Properties

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

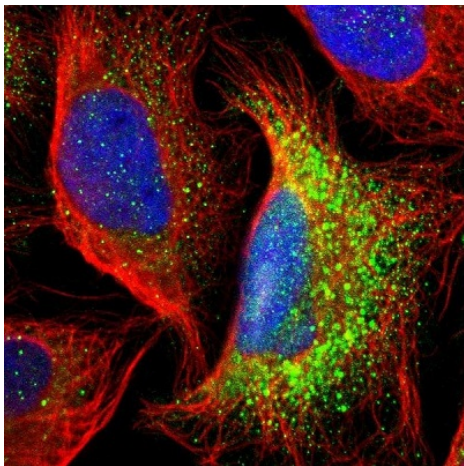
Application	Abreviews	Notes
ICC/IF		Use at an assay dependent concentration.
IHC-P		1/50 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

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

## Target

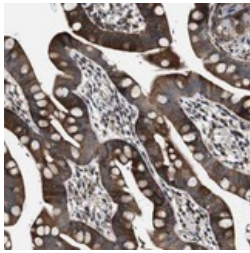
<b>Function</b>	Probably catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor.
<b>Tissue specificity</b>	Widely expressed. Expressed in heart, skeletal muscle, kidney, liver, small intestine and placenta. Weakly expressed in colon, thymus, spleen, lung and leukocyte.
<b>Pathway</b>	Protein modification; protein glycosylation.
<b>Sequence similarities</b>	Belongs to the glycosyltransferase 2 family. GalNAc-T subfamily. Contains 1 ricin B-type lectin domain.
<b>Domain</b>	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.
<b>Cellular localization</b>	Golgi apparatus membrane.

## Images



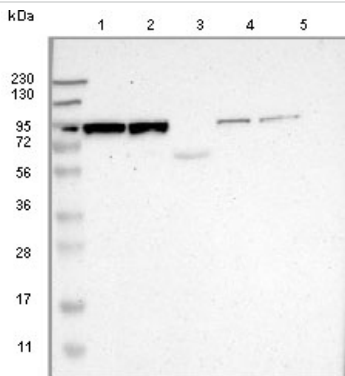
Immunofluorescent staining of human cell line U-2 OS shows positivity in vesicles. Antibody staining is shown in green.

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.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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