

Product datasheet

Anti-B3GALTL antibody ab74824

2 Images

Overview

<b>Product name</b>	Anti-B3GALTL antibody
<b>Description</b>	Rabbit polyclonal to B3GALTL
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthesized peptide derived from the C-terminus of human B3GALTL
<b>Positive control</b>	Human liver carcinoma tissue. Extracts from HepG2, Jurkat, MCF-7 or HUVEC cells.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 150mM Sodium chloride, pH 7.4
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab74824** 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
WB		1/500 - 1/1000. Predicted molecular weight: 57 kDa.
ELISA		1/40000.
IHC-P		Use at an assay dependent concentration.

## Target

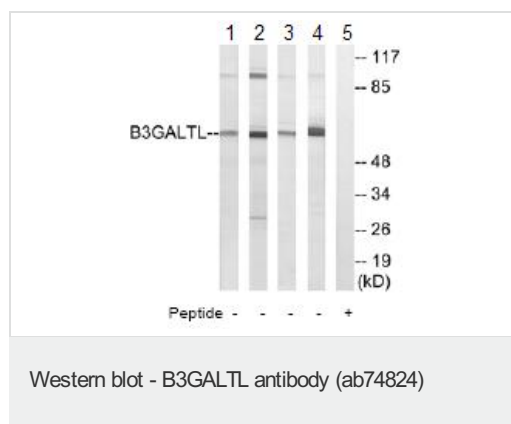
### Relevance

B3GALTL is a beta-1,3-glucosyltransferase involved in the synthesis of the unusual O-linked disaccharide glucosyl-beta-1,3-fucose-O- found on the thrombospondin (see THBS1; MIM 188060) type-1 repeats (TSRs) of many biologically important proteins. Biosynthesis of glucosyl-beta-1,3-fucose-O- is initiated by protein O-fucosyltransferase-2 (POFUT2; MIM 610249), which attaches the fucosyl residue to a serine or threonine within the TSR. B3GALTL subsequently transfers the glucose onto TSR-fucose (Hess et al., 2008).

### Cellular localization

Endoplasmic reticulum membrane; Single pass type II membrane protein.

## Images



**All lanes** : Anti-B3GALTL antibody (ab74824)  
at 1/500 dilution

**Lane 1** : extracts from HepG2 cells

**Lane 2** : extracts from Jurkat cells

**Lane 3** : extracts from MCF-7 cells

**Lane 4** : extracts from HUVEC cells

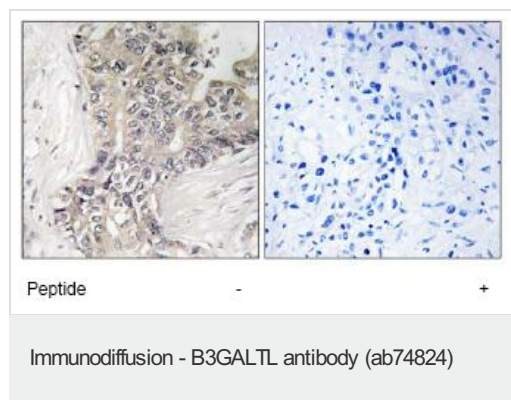
**Lane 5** : extracts from HUVEC cells with  
immunizing peptide at 10 µg

Lysates/proteins at 30 µg per lane.

**Predicted band size:** 57 kDa

**Observed band size:** 57 kDa

**Additional bands at:** 95 kDa. We are unsure  
as to the identity of these extra bands.



ab74824, at a dilution of 1/50, staining  
B3GALTL in paraffin embedded human liver  
carcinoma tissue sections by  
Immunohistochemistry in the absence (left  
image) or presence (right image) of the  
immunizing peptide.

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