

## Product datasheet

# Anti-B4GALT1 antibody ab121326

★★★★★ 2 Abreviews 1 References 3 图像

### 概述

产品名称	Anti-B4GALT1抗体
描述	兔多克隆抗体to B4GALT1
宿主	Rabbit
经测试应用	适用于: WB, ICC/IF, IHC-P
种属反应性	与反应: Human
免疫原	antigen, corresponding to amino acids 50-163 of Human B4GALT1 (P15291).
阳性对照	Human prostate tissue; U-251 MG cell lysate; A-431 cells.

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

### 应用

Our [Abpromise guarantee](#) covers the use of **ab121326** in the following tested applications.

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

应用	Ab评论	说明
WB		1/250 - 1/500.
ICC/IF	★★★★★	Use a concentration of 1 - 4 µg/ml. Fixation/Permeabilization: PFA/Triton X-100
IHC-P		1/50 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## 靶标

### 功能

The Golgi complex form catalyzes the production of lactose in the lactating mammary gland and could also be responsible for the synthesis of complex-type N-linked oligosaccharides in many glycoproteins as well as the carbohydrate moieties of glycolipids. The cell surface form functions as a recognition molecule during a variety of cell to cell and cell to matrix interactions, as those occurring during development and egg fertilization, by binding to specific oligosaccharide ligands on opposing cells or in the extracellular matrix.

### 组织特异性

Ubiquitously expressed, but at very low levels in fetal and adult brain.

### 通路

Protein modification; protein glycosylation.

### 疾病相关

Defects in B4GALT1 are the cause of congenital disorder of glycosylation type 2D (CDG2D) [MIM:607091]. CDGs are a family of severe inherited diseases caused by a defect in protein N-glycosylation. They are characterized by under-glycosylated serum proteins. These multisystem disorders present with a wide variety of clinical features, such as disorders of the nervous system development, psychomotor retardation, dysmorphic features, hypotonia, coagulation disorders, and immunodeficiency. The broad spectrum of features reflects the critical role of N-glycoproteins during embryonic development, differentiation, and maintenance of cell functions.

### 序列相似性

Belongs to the glycosyltransferase 7 family.

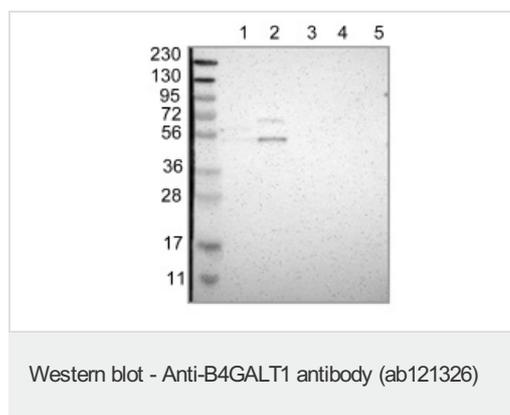
### 翻译后修饰

The soluble form derives from the membrane forms by proteolytic processing.

### 细胞定位

Golgi apparatus > Golgi stack membrane. Cell membrane. Cell surface. Found in trans cisternae of Golgi; Golgi apparatus > Golgi stack membrane. Found in trans cisternae of Golgi and Secreted. Soluble form found in body fluids.

## 图片



**All lanes :** Anti-B4GALT1 antibody (ab121326) at 1/250 dilution

**Lane 1 :** RT-4 cell lysate

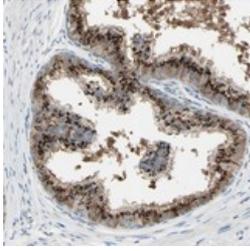
**Lane 2 :** U-251 MG cell lysate

**Lane 3 :** Human Plasma

**Lane 4 :** Human Liver lysate

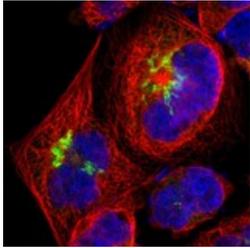
**Lane 5 :** Human Tonsil lysate

Developed using the ECL technique.



ab121326, at 1/125, staining B4GALT1 in paraffin embedded Human prostate tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-B4GALT1 antibody (ab121326)



ab121326, at 4 µg/ml, staining B4GALT1 (green) in A-431 cells by Immunofluorescence.

Immunocytochemistry/ Immunofluorescence - Anti-B4GALT1 antibody (ab121326)

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

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