

# Anti-B4GALT1 antibody ab121326

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### 製品の概要

製品名	Anti-B4GALT1 antibody
製品の詳細	Rabbit polyclonal to B4GALT1
由来種	Rabbit
アプリケーション	<b>適用あり:</b> ICC, WB, IHC-P
種交差性	<b>交差種:</b> Human
免疫原	antigen, corresponding to amino acids 50-163 of Human B4GALT1 (P15291).
ポジティブ・コントロール	IHC-P: Human placenta, prostate, and testis tissue sections; WB: HeLa cell lysate; ICC: A431 cells.
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
バッファー	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine)
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

### アプリケーション

The Abpromise guarantee

**Abpromise保証は、** 次のテスト済みアプリケーションにおけるab121326の使用に適用されます

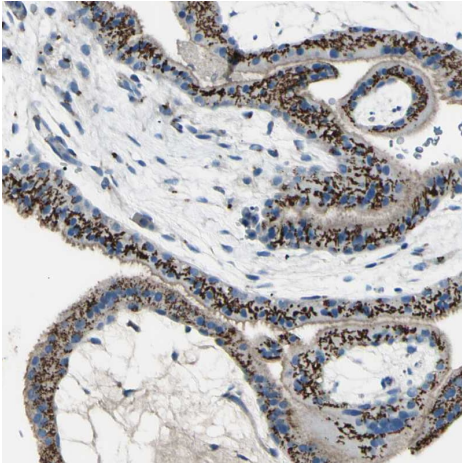
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
ICC		Use a concentration of 0.25 - 2 µg/ml.
WB		Use a concentration of 0.04 - 0.4 µg/ml.
IHC-P		1/500 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## ターゲット情報

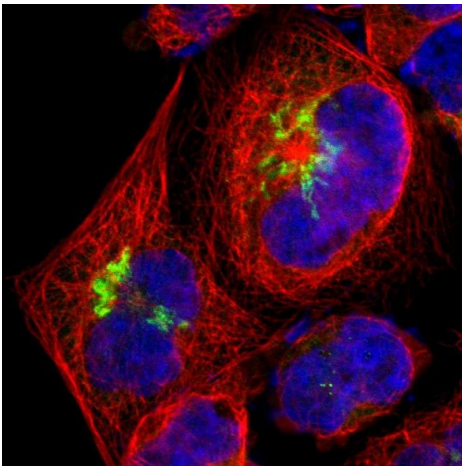
機能	<p>The Golgi complex form catalyzes the production of lactose in the lactating mammary gland and could also be responsible for the synthesis of complex-type N-linked oligosaccharides in many glycoproteins as well as the carbohydrate moieties of glycolipids.</p> <p>The cell surface form functions as 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.</p>
組織特異性	Ubiquitously expressed, but at very low levels in fetal and adult brain.
パスウェイ	Protein modification; protein glycosylation.
関連疾患	<p>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.</p>
配列類似性	Belongs to the glycosyltransferase 7 family.
翻訳後修飾	The soluble form derives from the membrane forms by proteolytic processing.
細胞内局在	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.

## 画像



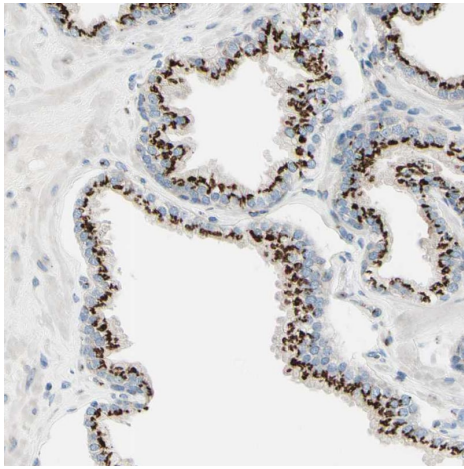
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human placenta tissue labelling B4GALT1 with ab121326 at 1/500 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.

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



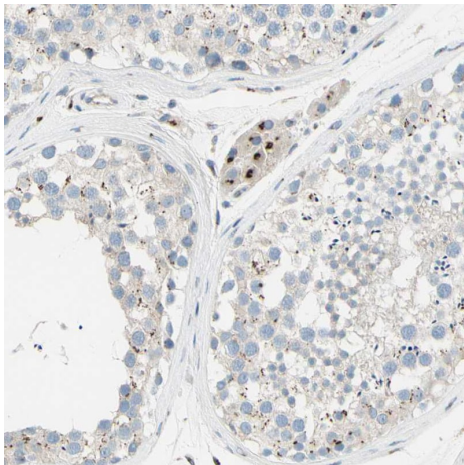
Immunocytochemistry analysis of A431 (human epidermoid carcinoma) cells labelling B4GALT1 with ab121326 at 2 µg/mL.

Immunocytochemistry - Anti-B4GALT1 antibody (ab121326)



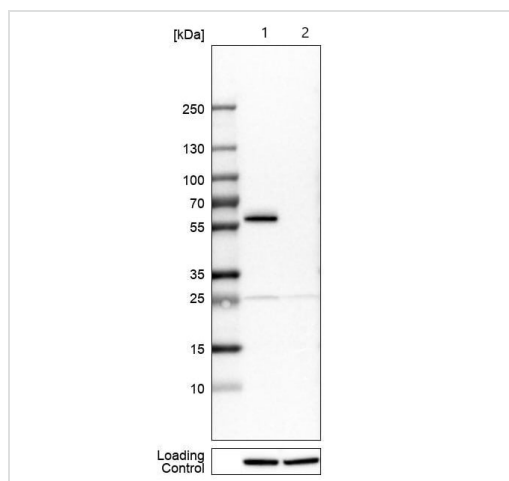
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-B4GALT1 antibody (ab121326)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human prostate tissue labelling B4GALT1 with ab121326 at 1/500 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.



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

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human testis tissue labelling B4GALT1 with ab121326 at 1/500 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.



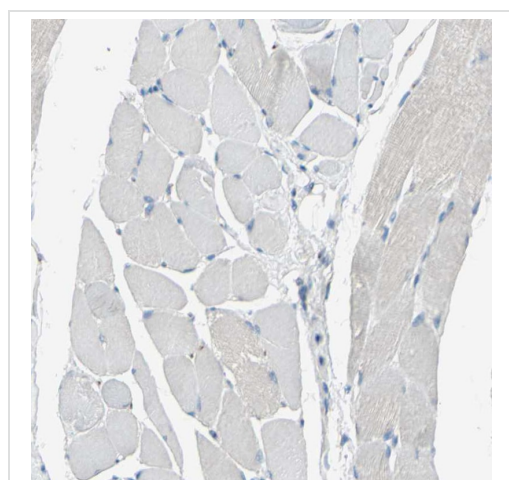
Western blot - Anti-B4GALT1 antibody (ab121326)

**All lanes :** Anti-B4GALT1 antibody (ab121326) at 2 µg

**Lane 1 :** HeLa (human epithelial cell line from cervix adenocarcinoma) cell lysate

**Lane 2 :** HEK-293 (human epithelial cell line from embryonic kidney) cell lysate

Loading control: Anti-HSP90B1



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

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human skeletal muscle tissue labelling B4GALT1 with ab121326 at 1/500 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.

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