

Anti-B4GALT1 antibody ab121326

★★★★★ [2 Abreviews](#) [6 References](#) [6 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: ICC, WB, 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	IHC-P: Human placenta, prostate, and testis tissue sections; WB: HeLa cell lysate; ICC: A431 cells.
常规说明	<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&As</p>

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	<p>pH: 7.20</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine)</p>
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用ab121326于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
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.

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.

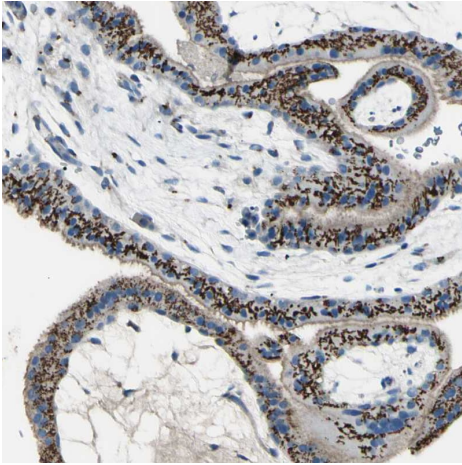
翻译后修饰

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

细胞定位

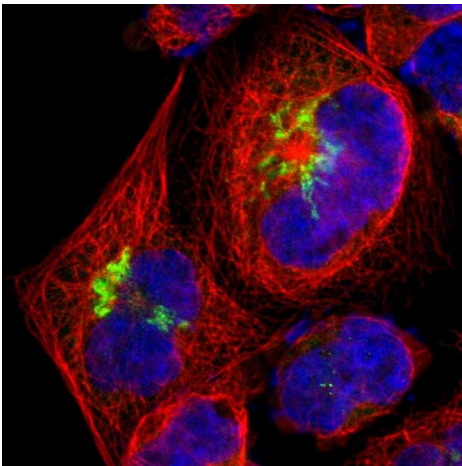
Golgi apparatus > Golgi stack membrane. Cell membrane. Cell surface. Found in trans cisternae of Golgi; Golgi apparatus > Golgi stack membrane. Found in trans cisternae of Golgi and Secreted. Soluble form found in body fluids.

图片



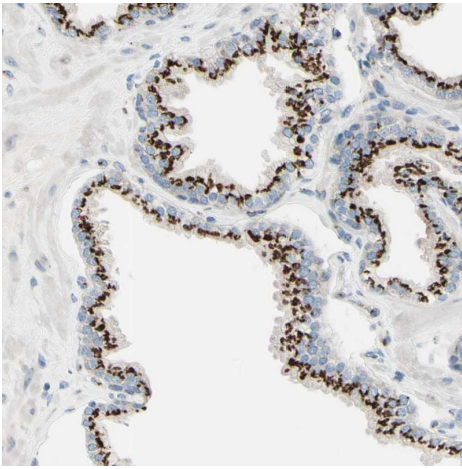
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human placenta tissue labelling B4GALT1 with ab121326 at 1/500 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.

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



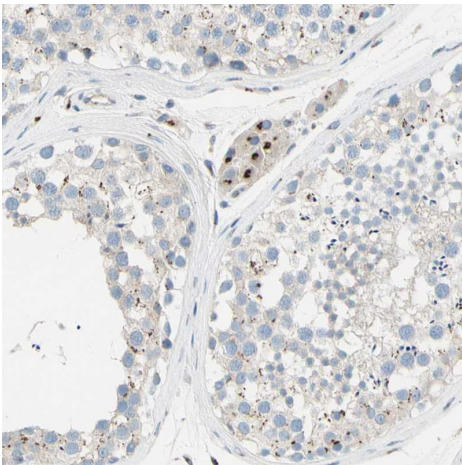
Immunocytochemistry analysis of A431 (human epidermoid carcinoma) cells labelling B4GALT1 with ab121326 at 2 µg/mL.

Immunocytochemistry - Anti-B4GALT1 antibody (ab121326)



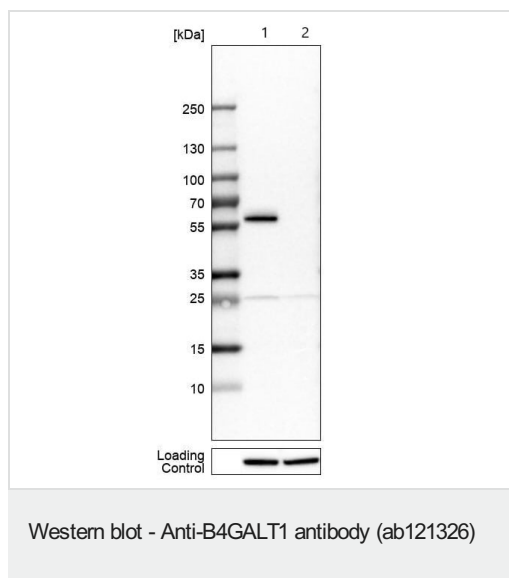
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-B4GALT1 antibody (ab121326)

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.

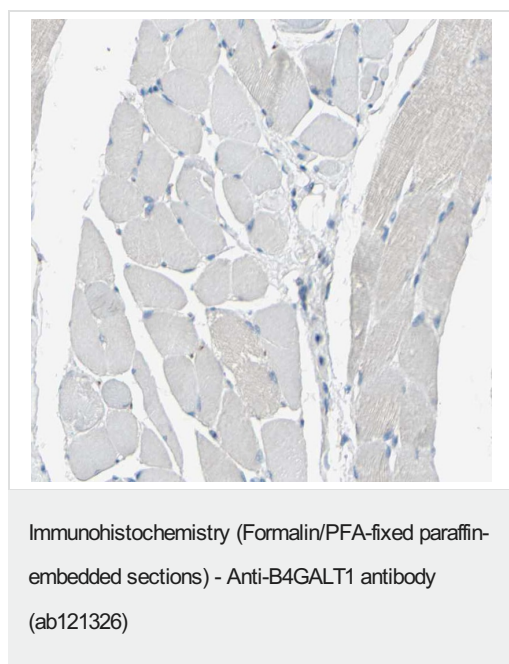


All lanes : Anti-B4GALT1 antibody (ab121326) at 2 µg

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) 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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