

Anti-GALNT12 antibody ab101358

1 图像

概述

产品名称	Anti-GALNT12抗体
描述	兔多克隆抗体to GALNT12
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Human 预测可用于: Mouse, Cow 
免疫原	Recombinant fragment, corresponding to a region within internal sequence amino acids 34-173 of Human GALNT12 (AAH13945; UniProt ID: Q8IXK2 isoform 2).
阳性对照	A549 whole cell lysate
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 freeze / thaw cycles.
存储溶液	<p>pH: 7.00</p> <p>Preservative: 0.01% Thimerosal (merthiolate)</p> <p>Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine)</p>
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

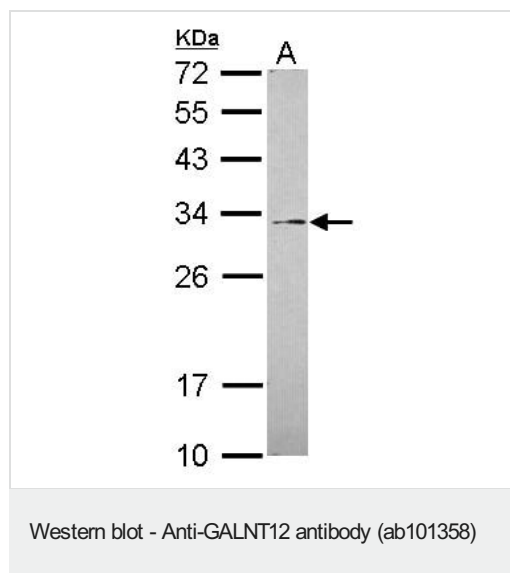
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/500 - 1/3000. Predicted molecular weight: 32 kDa.

靶标

功能	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. Has activity toward non-glycosylated peptides such as Muc5AC, Muc1a and EA2, and no detectable activity with Muc2 and Muc7. Displays enzymatic activity toward the Gal-NAc-Muc5AC glycopeptide, but no detectable activity to mono-GalNAc-glycosylated Muc1a, Muc2, Muc7 and EA2. May play an important role in the initial step of mucin-type oligosaccharide biosynthesis in digestive organs.
组织特异性	Widely expressed at different levels of expression. Highly expressed in digestive organs such as small intestine, stomach, pancreas and colon. Expressed at intermediate level in testis, thyroid gland and spleen. Weakly expressed in whole brain, cerebral cortex, cerebellum, fetal brain, bone marrow, thymus, leukocytes, heart, skeletal muscle, liver, lung, esophagus, kidney, adrenal gland, mammary gland, uterus, placenta, ovary and prostate.
通路	Protein modification; protein glycosylation.
疾病相关	Defects in GALNT12 are a cause of susceptibility to colorectal cancer type 1 (CRCS1) [MIM:608812]. Colorectal cancer is a malignancy originating either in the colon or rectum or both.
序列相似性	Belongs to the glycosyltransferase 2 family. GalNAc-T subfamily. Contains 1 ricin B-type lectin domain.
结构域	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.
细胞定位	Golgi apparatus membrane.

图片



Anti-GALNT12 antibody (ab101358) at 1/1000 dilution + A549 whole cell lysate at 30 µg

Predicted band size: 32 kDa

12% SDS-PAGE

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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