abcam

Product datasheet

Anti-B3GAT3 antibody ab68026

1 图像

概述

产品名称	Anti-B3GAT3抗体
描述	**小鼠多克隆抗体**to B3GAT3
宿主	Mouse
经测试应用	**适用于:** WB
种属反应性	**与反应:** Human
免疫原	Full length protein, corresponding to amino acids 1-335 of Human B3GAT3
阳性对照	Transfected 293T cell line

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.4 Constituent: PBS
纯度	Protein A purified
克隆	**多克隆**
同种型	IgG

应用

Our Abpromise guarantee covers the use of **ab68026** in the following tested applications.

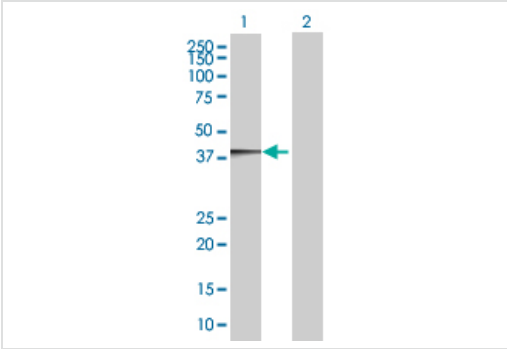
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB		1/500 - 1/1000. Detects a band of approximately 37 kDa (predicted molecular weight: 37 kDa).

靶标

功能	Glycosaminoglycans biosynthesis. Involved in forming the linkage tetrasaccharide present in heparan sulfate and chondroitin sulfate. Transfers a glucuronic acid moiety from the uridine diphosphate-glucuronic acid (UDP-GlcUA) to the common linkage region trisaccharide Gal-beta-1,3-Gal-beta-1,4-Xyl covalently bound to a Ser residue at the glycosaminylglycan attachment site of proteoglycans. Can also play a role in the biosynthesis of l2/HNK-1 carbohydrate epitope on glycoproteins. Shows strict specificity for Gal-beta-1,3-Gal-beta-1,4-Xyl, exhibiting negligible incorporation into other galactoside substrates including Galbeta1-3Gal beta1-O-benzyl, Galbeta1-4GlcNAc and Galbeta1-4Glc.
组织特异性	Ubiquitous (but weakly expressed in all tissues examined).
通路	Protein modification; protein glycosylation.
疾病相关	Defects in B3GAT3 are the cause of multiple joint dislocations short stature craniofacial dysmorphism and congenital heart defects (JDSSDHD) [MIM:245600]. An autosomal recessive disease characterized by dysmorphic facies, bilateral dislocations of the elbows, hips, and knees, clubfeet, and short stature, as well as cardiovascular defects.
序列相似性	Belongs to the glycosyltransferase 43 family.
翻译后修饰	N-glycosylated.
细胞定位	Golgi apparatus membrane. Golgi apparatus > cis-Golgi network.

图片



Western blot - Anti-B3GAT3 antibody (ab68026)

All lanes : Anti-B3GAT3 antibody (ab68026) at 1/500 dilution

Lane 1 : B3GAT3 transfected 293T cell lysate
Lane 2 : Non transfected 293T cell lysate

Lysates/proteins at 25 µg per lane.

Secondary
All lanes : Goat Anti-Mouse IgG (H&L)-HRP Conjugate secondary antibody at 1/2500 dilution

Developed using the ECL technique.

Predicted band size: 37 kDa
Observed band size: 37 kDa

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