Leader in Biomolecular Solutions for Life Science

www.abclonal.com

ST6GAL1/CD75 Rabbit mAb

Catalog No.: A24645 Recombinant

Basic Information

Observed MW
50-70kDa

Calculated MW
20kDa/47kDa

Category
Primary antibody

Applications
WB,IHC-P,IF/ICC,FC,ELISA

Cross-Reactivity
Human

CloneNo number
ARC63359

Background

This gene encodes a member of glycosyltransferase family 29. The encoded protein is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. The protein, which is normally found in the Golgi but can be proteolytically processed to a soluble form, is involved in the generation of the cell-surface carbohydrate determinants and differentiation antigens HB-6, CD75, and CD76. This gene has been incorrectly referred to as CD75. Alternative splicing results in multiple transcript variants.

Recommended Dilutions

WB	1:2000 - 1:8000
IHC-P	1:500 - 1:1000
IF/ICC	1:50 - 1:200
FC	1:500 - 1:1000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
6480

Swiss Prot
P15907

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
ST6N; CDw75; SIAT1; ST6GalI; ST6GAL1/CD75

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

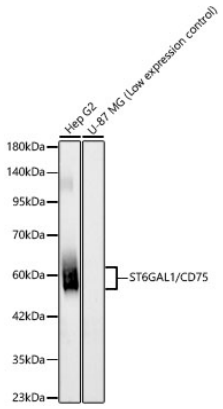
Contact

400-999-6126

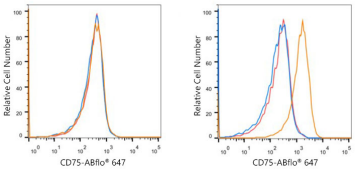
cn.market@abclonal.com.cn

www.abclonal.com.cn

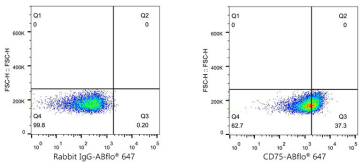
Validation Data



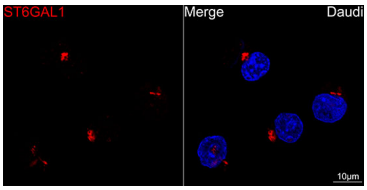
Western blot analysis of lysates from Hep G2 cells, using ST6GAL1/CD75 Rabbit mAb (A24645) at 1:7000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



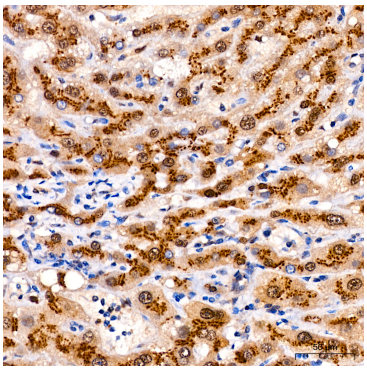
Flow cytometry: 1X10^6 HeLa cells (negative control,left) and Daudi cells (right) were surface-stained with ST6GAL1/CD75 Rabbit mAb (A24645,2 µg/mL,orange line) or ABflo® 647 Rabbit IgG isotype control (A22070,2 µg/mL,blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1X10^6 Daudi cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070,2 µg/mL,left) or ST6GAL1/CD75 Rabbit mAb (A24645,2 µg/mL,right).



Confocal imaging of Daudi cells using ST6GAL1/CD75 Rabbit mAb (A24645,dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007,dilution 1:500)(Red).DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunohistochemistry analysis of paraffin-embedded Human liver using ST6GAL1/CD75 Rabbit mAb (A24645) at dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.