A24645

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ST6GAL1/CD75 Rabbit mAb

Catalog No.: A24645 Recombinant

Basic Information

Observed MW
50-70kDa

Calculated MW
20kDa/47kDa

Category
SMab Recombinant Monoclonal 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

Immunogen Information

Gene ID
6480

Swiss Prot
P15907

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 44-406 of human ST6GAL1/CD75 (NP_001340845.1).

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

Contact

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Product Information

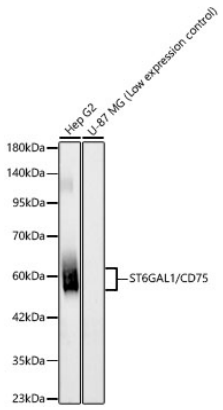
Source
Rabbit

Isotype
IgG

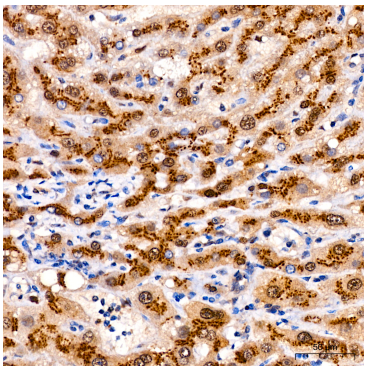
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

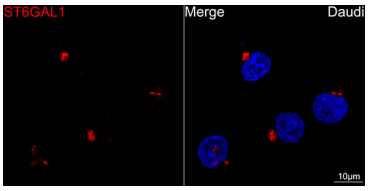
Validation Data



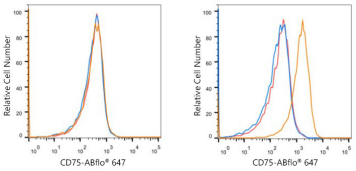
Western blot analysis of lysates from Hep G2 cells, using ST6GAL1/CD75 Rabbit mAb (A24645) at 1:7000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).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



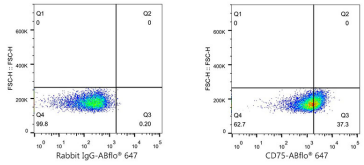
Immunohistochemistry analysis of ST6GAL1/CD75 in paraffin-embedded Human liver using ST6GAL1/CD75 Rabbit mAb (A24645) at dilution of 1:800 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



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.



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).