bs-1635R **[Primary Antibody]**

B3GAT1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 27087 **SWISS:** Q9P2W7

Target: B3GAT1

Immunogen: KLH conjugated synthetic peptide derived from human B3GAT1: 21-120/334.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The protein encoded by this gene is a member of the glucuronyltransferase gene family. These enzymes exhibit strict acceptor specificity, recognizing nonreducing terminal sugars and their anomeric linkages. This gene product functions as the key enzyme in a glucuronyl transfer reaction during the biosynthesis of the carbohydrate epitope HNK-1 (human natural killer-1, also known as CD57 and LEU7). Alternate transcriptional splice variants have been characterized. [provided by RefSeq, Jul 2008]

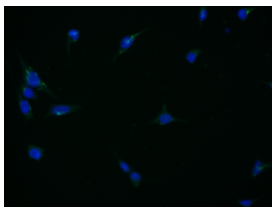
Applications: **Flow-Cyt** (2ug/Test)
ICC/IF (1:100)

Reactivity: Human (predicted: Mouse, Rat, Chicken)

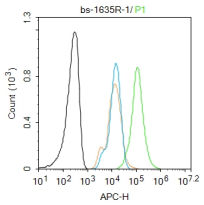
Predicted MW.: 38 kDa

Subcellular Location: Cell membrane ,Cytoplasm

VALIDATION IMAGES



SH-SY5Y cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (B3GAT1) polyclonal Antibody, Unconjugated (bs-1635R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Blank control: U2OS. Primary Antibody (green line): Rabbit Anti-CD57 antibody (bs-1635R) Dilution: 2µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF647 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with PBST for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at at room temperature .Cells stained with Primary Antibody for 30 min at room temperature.The secondary antibody used for 40 min at room temperature.Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=5.29]** Kaneko, Yuji, et al. "Kainic Acid-Induced Golgi Complex Fragmentation/Dispersal Shifts the Proteolysis of Reelin in Primary Rat Neuronal Cells: An In Vitro Model of Early Stage Epilepsy." Molecular Neurobiology (2015): 1-10. WB ;="Rat". 25790952
- **[IF=3.6]** Salisbury, Elizabeth A., et al. "Transient Brown Adipocyte-Like Cells Derive from Peripheral Nerve Progenitors in

Response to Bone Morphogenetic Protein 2." Stem cells translational medicine 1.12 (2012): 874-885. Other ;="". 23283549