B4GALNT2 Polyclonal antibody

Catalog Number:24024-1-AP

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Basic Information

Catalog Number:
24024-1-AP

Size:
850 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG21166

GenBank Accession Number:
BC113677

GeneID (NCBI):
124872

UNIPROT ID:
Q8NHY0

Full Name:
beta-1,4-N-acetyl-galactosaminyl transferase 2

Calculated MW:
566 aa, 63 kDa

Observed MW:
65 kDa

Purification Method:
Antigen Affinity purified

Recommended Dilutions:
WB 1:500-1:2000
IHC 1:600-1:2400

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : Jurkat cells, COLO 320 cells

IHC : human colon tissue,

Background Information

B4GALNT2, also named as GALGT2, catalyzes the last step in the biosynthesis of the human Sd(a) antigen, which is found on more than 90% of Caucasian red blood cells. It also catalyzes the last step in the biosynthesis of the Cad antigen, which is related both serologically and biochemically to the Sd(a) antigen. B4GALNT2 transfers a beta-1,4-linked GalNAc to the galactose residue of an alpha-2,3-sialylated chain. This antibody detects the 55-65 kDa B4GALNT2 protein.

Storage

Storage:
Store at -20℃. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data
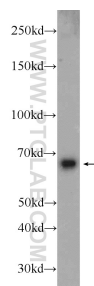
Jurkat cells were subjected to SDS PAGE followed by western blot with 24024-1-AP (B4GALNT2 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.
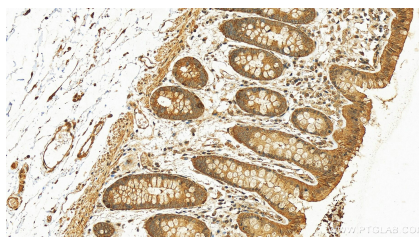
Immunohistochemical analysis of paraffin-embedded human normal colon slide using 24024-1-AP (B4GALNT2 antibody) at dilution of 1:1200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).