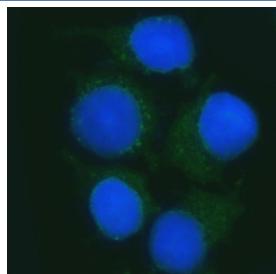


B3GNT2 Antibody (RQ7390)

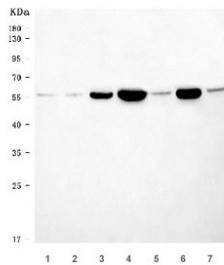
Catalog No.	Formulation	Size
RQ7390	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

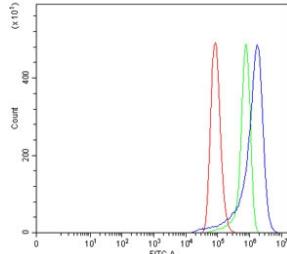
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9NY97
Localization	Cytoplasmic (Golgi)
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This B3GNT2 antibody is available for research use only.



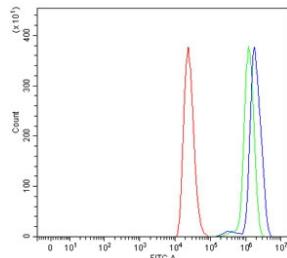
Immunofluorescent staining of FFPE human MCF7 cells with B3GNT2 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human 293T, 2) human HL60, 3) human MOLT4, 4) rat brain, 5) rat kidney, 6) mouse brain and 7) mouse kidney tissue lysate with B3GNT2 antibody. Predicted molecular weight ~46 kDa but may be observed at higher molecular weights due to glycosylation.



Flow cytometry testing of human HeLa cells with B3GNT2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= B3GNT2 antibody.



Flow cytometry testing of human ThP-1 cells with B3GNT2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= B3GNT2 antibody.

Description

UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2 is an enzyme that in humans is encoded by the B3GNT2 gene. This gene encodes a member of the beta-1,3-N-acetylglucosaminyltransferase family. This enzyme is a type II transmembrane protein. It prefers the substrate of lacto-N-neotetraose, and is involved in the biosynthesis of poly-N-acetyllactosamine chains. Two transcript variants encoding the same protein have been found for this gene.

Application Notes

Optimal dilution of the B3GNT2 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids R6-C397) was used as the immunogen for the B3GNT2 antibody.

Storage

After reconstitution, the B3GNT2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

