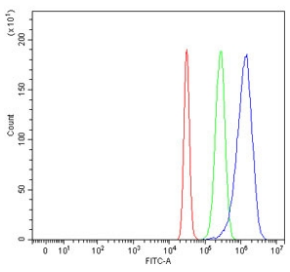
Glypican 3 Antibody (RQ5534)

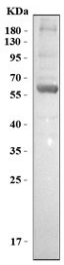
Catalog No.	Formulation	Size
RQ5534	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P51654
Applications	Western Blot : 0.25-0.5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This Glypican 3 antibody is available for research use only.



Flow cytometry testing of human HepG2 cells with Glypican 3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Glypican 3 antibody.



Western blot testing of human HepG2 cell lysate with Glypican 3 antibody. Expected molecular weight 66-115 kDa depending on glycosylation level.

Description

Glypican-3 is a protein that, in humans, is encoded by the GPC3 gene. It is mapped to Xq26.2. Cell surface heparan sulfate proteoglycans are composed of a membrane-associated protein core substituted with a variable number of heparan sulfate chains. Members of the glypican-related integral membrane proteoglycan family (GRIPS) contain a core protein anchored to the cytoplasmic membrane via a glycosyl phosphatidylinositol linkage. These proteins may play a role in the control of cell division and growth regulation. The protein encoded by this gene can bind to and inhibit the dipeptidyl peptidase activity of CD26, and it can induce apoptosis in certain cell types. Deletion mutations in this gene are associated with Simpson-Golabi-Behmel syndrome, also known as Simpson dysmorphia syndrome. Alternative splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the Glypican 3 antibody should be determined by the researcher.

Immunogen

A human recombinant protein (amino acids D32-A535) was used as the immunogen for the Glypican 3 antibody.

Storage

After reconstitution, the Glypican 3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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