

A Reliable Research Partner in Life Science and Medicine

Recombinant Glypican-3 Monoclonal Antibody

catalog number: AN301865L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human;

Immunogen Recombinant human Glypican-3 fragment

 Host
 Rabbit

 Isotype
 IgG, κ

 Clone
 A577

Purification Protein Apurified

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

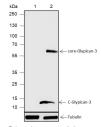
Applications Recommended Dilution

WB 1:2000-1:10000

IHC 1:100-1:500

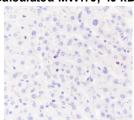
IF 1:50

Data

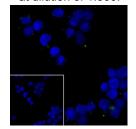


Western Blot with Glypican-3 Monoclonal Antibody at dilution of 1:10000. Lane 1: Raji (-), Lane 2: HepG2

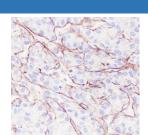
Observed-MW:15, 70 kDa Calculated-MW:70, 40 kDa



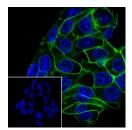
Immunohistochemistry of paraffin-embedded Human liver(Negative tissue) using Glypican-3 Monoclonal Antibody at dilution of 1:500.



Immunofluorescent analysis of (100% Ice-cold methanol) fixed Raji(Negative cell line) cells using anti-Glypican-3 Monoclonal Antibody at dilution of 1:50.



Immunohistochemistry of paraffin-embedded Human hepatocellular carcinoma using Glypican-3 Monoclonal Antibody at dilution of 1:500.



Immunofluorescent analysis of (100% Ice-cold methanol) fixed HepG2 cells using anti-Glypican-3 Monoclonal Antibody at dilution of 1:50.

Rev. V1.1

For Research Use Only

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Elabscience Bionovation Inc.

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Preparation & Storage

Storage Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

Background

Glypican 3 belongs to Glypicans (GPCs), a family of glycosylphosphatidylinositol (GPI)-anchored heparan sulphate proteoglycans (HSPGs) that may play a role in the control of cell division and growth regulation. In mammals, there are six GPCs (GPC1 to GPC6), all of which have a similar core-protein size of approx. 60 kDa and the clustering of glycosaminoglycan attachment site near the C-terminus. They are tethered to the cell surface by GPI linkages, which can be cleaved by endogenous phospholipases, thus releasing the protein. Glypican 3 (GPC3) is highly expressed in many tissues during development and plays an important role in the regulation of embryonic growth. Loss-of-function mutations of GPC3 result in the Simpson-Golabi-Behmel overgrowth syndrome (SGBS), and Gpc-3 null mice display developmental overgrowth. In hepatocellular carcinoma (HCC), the overexpression of glypican 3 has been demonstrated to be a reliable diagnostic indicator.

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