ARG67035
anti-Glypican 3 antibody [SQab30329]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Recombinant rabbit Monoclonal antibody [SQab30329] recognizes Glypican 3
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Rabbit
Clonality	Monoclonal
Clone	SQab30329
Isotype	IgG
Target Name	Glypican 3
Species	Human
Immunogen	Synthetic peptide of Human Glypican 3
Conjugation	Un-conjugated
Alternate Names	GPC3, Glypican 3, OCI 5, SGBS1, SGBS, DGSX, SGB, Intestinal Protein OCI 5, Glypican Proteoglycan 3, Glypican 3, GTR2-2, MXR7, SDYS, Heparan Sulphate Proteoglycan, Secreted Glypican-3, OCI5

Application Instructions

Application table

Application	Dilution
IHC-P	1:50 - 1:100

Application Note	The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Hepatocellular carcinoma

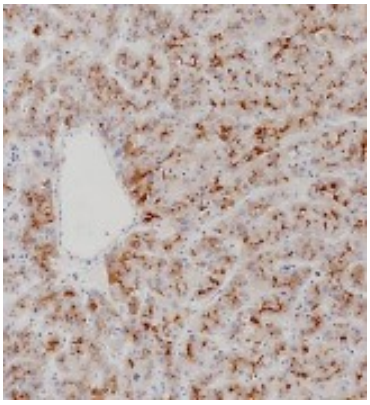
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS, 0.01% Sodium azide, 40% Glycerol and 0.05%BSA.
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05%BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	GPC3
Gene Full Name	Glypican 3
Background	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. [provided by RefSeq, Sep 2009]
Function	Binds to CD81 which decreases the availability of free CD81 for binding to the transcriptional repressor HHEX, resulting in nuclear translocation of HHEX and transcriptional repression.Inhibits the dipeptidyl peptidase activity of DPP4. [UniProt]
Calculated Mw	66 kDa
PTM	This processing is essential for its role in inhibition of hedgehog signaling. A second proteolytic event may result in cleavage of the protein on the cell surface, separating it from the GPI-anchor and leading to its shedding from the cell surface. [UniProt]
Cellular Localization	Cell membrane, Membrane

Images



ARG67035 anti-Glypican 3 antibody [SQab30329] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded hepatocellular carcinoma stained with ARG67035 anti-Glypican 3 antibody [SQab30329].