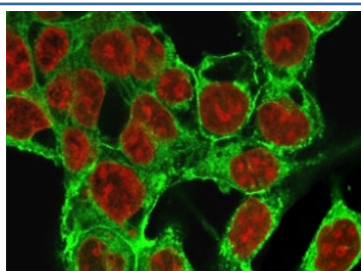


Glypican-3 Antibody [clone SGPN3-1] (V7027)

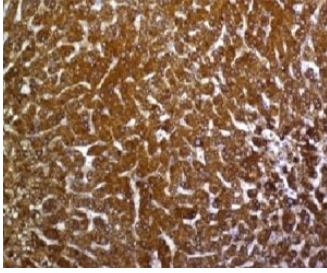
Catalog No.	Formulation	Size
V7027-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7027-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7027SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7027IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

[Bulk quote request](#)

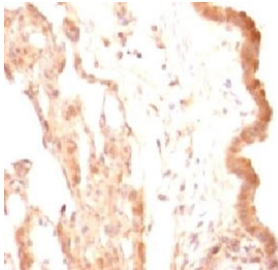
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	SGPN3-1
Purity	Protein G affinity chromatography
UniProt	P51654
Localization	Cytoplasmic
Applications	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT (1) Prediluted IHC Only Format : incubate for 30 min at RT (2)
Limitations	This Glypican-3 antibody is available for research use only.



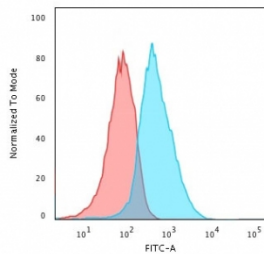
Immunofluorescent staining of methanol-fixed HepG2 cells with Glypican-3 antibody (green, clone SGPN3-1) and Reddot nuclear stain (red).



IHC testing of FFPE human hepatocellular carcinoma with Glypican-3 antibody (clone SGPN3-1).



IHC testing of FFPE rat lung with Glypican-3 antibody (clone SGPN3-1).



Flow cytometry testing of PFA-fixed human HepG2 cells with Glypican-3 antibody (clone SGPN3-1); Red=isotype control, Blue= Glypican-3 antibody.

Description

Glypican-3 is a proteoglycan that bears heparan sulfate. Inhibits the dipeptidyl peptidase activity of DPP4. May be involved in the suppression/modulation of growth in the predominantly mesodermal tissues and organs. May play a role in the modulation of IGF2 interactions with its receptor and thereby modulate its function. May regulate growth and tumor predisposition. [UniProt]

Application Notes

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

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 min
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Recombinant full-length human GPC3 protein was used as the immunogen for the Glypican-3 antibody.

Storage

Store the Glypican-3 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

