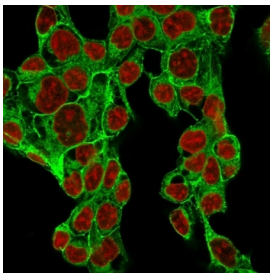
Recombinant Glypican-3 Antibody / Rabbit Monoclonal [clone GPC3/1534R] (V7261)

Catalog No.	Formulation	Size
V7261-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7261-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7261SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7261IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

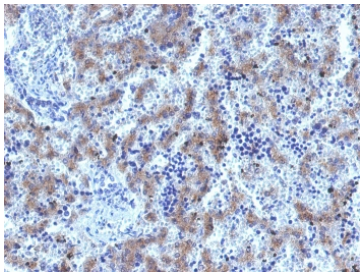
Recombinant RABBIT MONOCLONAL

Bulk quote request

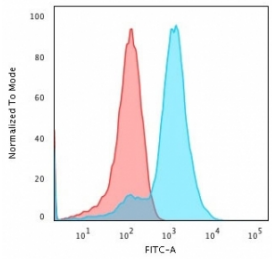
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	GPC3/1534R
Purity	Protein A affinity chromatography
UniProt	P51654
Localization	Cytoplasmic
Applications	Flow Cytometry : 0.5-1ug/million cells Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT
Limitations	This recombinant Glypican-3 antibody is available for research use only.



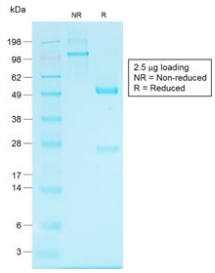
Immunofluorescent staining of MeOH fixed human HepG2 cells with recombinant Glypican-3 antibody (clone GPC3/1534R, green) and Reddot nuclear stain (red).



IHC testing of FFPE human fetal liver tissue with recombinant Glypican-3 antibody (clone GPC3/1534R). Required HIER: steam sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min.



Flow cytometry testing of MeOH fixed human HepG2 cells with recombinant Glypican-3 antibody (clone GPC3/1534R); Red=isotype control, Blue= recombinant Glypican-3 antibody.



SDS-PAGE analysis of purified, BSA-free recombinant Glypican-3 antibody (clone GPC3/1534R) as confirmation of integrity and purity.

Description

Recombinant Glypican-3 antibody detects glypican-3, a heparan sulfate proteoglycan encoded by the GPC3 gene. Glypican-3 is attached to the cell surface through a glycosylphosphatidylinositol anchor and plays important roles in regulating growth factor signaling, cellular proliferation, and tissue development. In adults, glypican-3 expression is low in most tissues but is highly upregulated in certain cancers, particularly hepatocellular carcinoma. Because of this distinct pattern, Recombinant Glypican-3 antibody is widely used in oncology, developmental biology, and pathology.

Glypican-3 modulates signaling pathways by binding and presenting ligands such as Wnt, Hedgehog, and insulin-like growth factors. During embryogenesis, it contributes to morphogenesis and organ formation, and mutations in GPC3 cause Simpson-Golabi-Behmel syndrome, characterized by developmental overgrowth. In cancer, glypican-3 overexpression promotes cell growth and survival, making it both a diagnostic marker and a therapeutic target. Its restricted expression in tumors provides specificity that is valuable for translational research.

The Recombinant Glypican-3 antibody clone GPC3/1534R provides reproducible and specific recognition of this proteoglycan. Recombinant technology ensures consistency across batches, which is critical for long-term experiments. Clone GPC3/1534R has been employed in peer-reviewed publications investigating hepatocellular carcinoma diagnosis and developmental signaling. Its specificity makes it suitable for both laboratory research and clinical studies where glypican-3 serves as a biomarker.

Research using clone GPC3/1534R has shown that detection of glypican-3 helps distinguish hepatocellular carcinoma from benign hepatic lesions. In oncology, this antibody supports efforts to develop therapeutic strategies, including antibody-drug conjugates and immunotherapies that selectively target glypican-3-positive tumors. Beyond cancer, detection of glypican-3 has provided insights into developmental biology, clarifying how signaling networks are fine-tuned during organogenesis.

NSJ Bioreagents supplies this Recombinant Glypican-3 antibody to support research in oncology, developmental biology, and therapeutic discovery. Alternate terms include GPC3 antibody, glypican family proteoglycan antibody, hepatocellular carcinoma biomarker antibody, Simpson-Golabi-Behmel syndrome protein antibody, and growth factor binding proteoglycan antibody.

Application Notes

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

1. 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

A full length human protein was used as the immunogen for the recombinant Glypican-3 antibody.

Storage

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