

Product Datasheet

Glypican 3 Antibody (1G12 + GPC3/863) [PE] NBP2-47763PE

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-47763PE

Glypican 3 Antibody (1G12 + GPC3/863) [PE]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	1G12 + GPC3/863
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	PE
Purity	Protein A or G purified
Buffer	PBS
Product Description	
Host	Mouse
Gene ID	2719
Gene Symbol	GPC3
Species	Human
Marker	Hepatocellular Carcinoma Marker
Specificity/Sensitivity	Glypican-3 (GPC3) is an integral membrane protein that is mutated in the Simpson-Golabi-Behmel syndrome (SGBS). SGBS is characterized by pre- and post-natal overgrowth and is a recessive X-linked condition. GPC3 may also be found in a secreted form. Anti-GPC3 has been identified as a useful tumor marker for the diagnosis of hepatocellular carcinoma (HCC), hepatoblastoma, melanoma, testicular germ cell tumors, and Wilms tumor and hepatoblastoma, with a low or undetectable expression in normal adjacent tissue. In patients with thyroid cancer, expression of GPC3 is dramatically enhanced in certain types of cancers: 100% in follicular carcinoma and 70% in papillary carcinoma. Expression of GPC3 in follicular carcinoma was significantly higher than that of follicular adenoma. In contrast, GPC 3 is not expressed in anaplastic carcinoma.
Immunogen	Recombinant fragment containing amino acids 511-580 of human Glypican 3 (1G12); Recombinant full-length human GPC3 protein (GPC3/863) (Uniprot: P51654)
Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence
Recommended Dilutions	Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunofluorescence, CyTOF-ready
Application Notes	Optimal dilution of this antibody should be experimentally determined.



Publications

Andres F. Espinoza, Pavan Kureti, Roma H. Patel, Susan L. Do, Saiabhiroop R. Govindu, Bryan W. Armbruster, Martin Urbicain, Kalyani R. Patel, Dolores Lopez-Terrada, Sanjeev A. Vasudevan, Sarah E. Woodfield An indocyanine green-based liquid biopsy test for circulating tumor cells for pediatric liver cancer Hepatology Communications 2024-06-01 [PMID: 38727682]





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Products Related to NBP2-47763PE

NBP1-43319PE-0.5ml	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [PE]
NBP1-85226PEP	Glypican 3 Recombinant Protein Antigen
233-FB-025	FGF basic/FGF2/bFGF [Unconjugated]
2119-GP-050/CF	Glypican 3 [Unconjugated]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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