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Basic Study

Characterization of a new monoclonal anti-glypican-3 antibody specific for the hepatocellular carcinoma cell line, HepG2

Preeyanat Vongchan, Robert J Linhardt

Abstract

AIM

To characterize the antigen on HepG2 cell that is specifically recognized by a new monoclonal antibody raised against human liver HSPG, clone 1E4-1D9.

1D9.

METHODS

The antigen recognized by mAb 1e4-1D9 was immunoprecipitated and its amino acid sequence was analyzed LC/MS. The transmembrane domain, number of cysteine residues, and glycosylation sites were predicted from these entire sequences. Data from amino acid analysis was aligned with glypican-3

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