Nur für Forschungszwecke

Glypican 3 Polyklonaler Antikörper

Katalog-Nr.:25175-1-AP 9 Publikationen

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Antibodies | ELISA kits | Proteins
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Allgemeine Informationen

Katalog-Nr.:
25175-1-AP

Größe:
150ul , Konzentration: 550 μg/ml von Nanodrop und 367 μg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG10129

GenBank-Zugangsnummer:
BC035972

GeneID (NCBI):
2719

Vollständiger Name:
glypican 3

Berechneté Masse:
580 aa, 66 kDa

Beobachteté Masse:
66 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:
WB 1:500-1:1000

Anwendungen

Geprüfte Anwendungen:
WB, ELISA

In Publikationen genannte Anwendungen:
IF, WB

Getestete Reaktivität:
Human

Zitierte Arten:
Human, Maus

Positivkontrollen:

WB : HepG2-Zellen, HEK-293-Zellen

Hintergrundinformationen

Glypicans (GPCs) are a family of glycosylphosphatidylinositol (GPI)-anchored heparan sulphate proteoglycans (HSPGs) that may play a role in the control of cell division and growth regulation. In mammals, there are six GPCs (GPC1 to GPC6), all of which have a similar core-protein size of approx. 60 kDa and the clustering of glycosaminoglycan attachment site near the C-terminus. They are tethered to the cell surface by GPI linkages, which can be cleaved by endogenous phospholipases, thus releasing the protein. Glypican 3 (GPC3) is highly expressed in many tissues during development and plays an important role in the regulation of embryonic growth (PMID: 22467855). Loss-of-function mutations of GPC3 result in the Simpson-Golabi-Behmel overgrowth syndrome (SGBS), and Gpc-3 null mice display developmental overgrowth (PMID: 8589713; 18477453). In hepatocellular carcinoma (HCC), the overexpression of glypican 3 has been demonstrated to be a reliable diagnostic indicator (PMID: 19212669; 22706665). The calculated molecular weight of native glypican 3 is 66 kDa, glycanated forms of glypican 3 have higher molecular weights than 66 kDa (PMID: 12851874; 16024626; 19574424).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Xiaoqing Zheng	28965082	Redox Biol	WB
Samuel C Mok	36139670	Cancers (Basel)	WB
Yuhei Iwasa	36359563	Diagnostics (Basel)	IHC

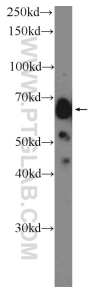
Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

*** 20ul-Größen enthalten 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Ausgewählte Validierungsdaten



HepG2 cells were subjected to SDS PAGE followed by western blot with 25175-1-AP (Glypican 3 antibody at dilution of 1:600 incubated at room temperature for 1.5 hours.

HEK-293 cells were subjected to SDS PAGE followed by western blot with 25175-1-AP (Glypican 3 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.