

# Glypican 3 Monoclonal Antibody (SP86)

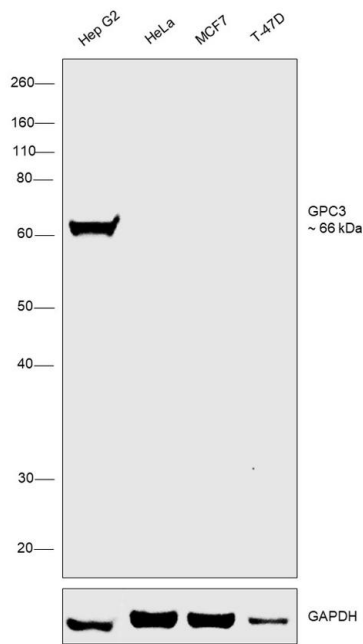
Product Details	
Size	500 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Class	Monoclonal
Type	Antibody
Clone	SP86
Conjugate	Unconjugated
Immunogen	Synthetic peptide derived from C-terminus of human glypican-3 protein.
Form	Liquid
Concentration	0.466 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.2, with 1% BSA
Contains	0.1% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2537887

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:100	-
Immunocytochemistry (ICC/IF)	1:200	-
Flow Cytometry (Flow)	1:80	-

## Product Specific Information

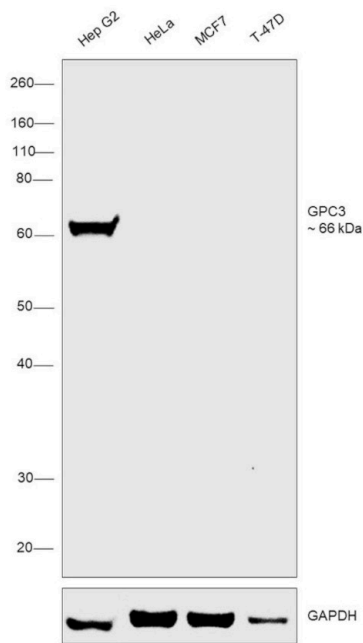
Heat-mediated antigen retrieval is recommended prior to staining, using a 10mM citrate buffer, pH 6.0, for 10 minutes followed by cooling at room temperature for 20 min. Following antigen retrieval, incubate samples with primary antibody for 30 min at room temperature. A suggested positive control is placenta or liver carcinoma.

Product Images For Glypican 3 Monoclonal Antibody (SP86)



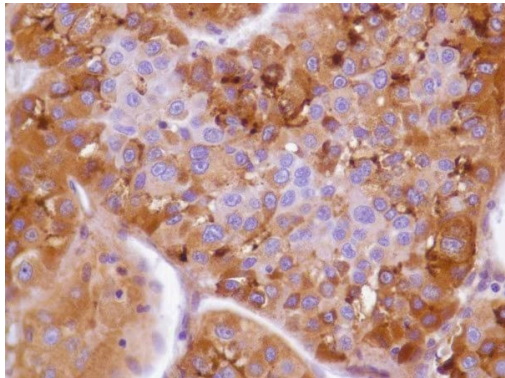
Glypican 3 Antibody (MA5-16368) in WB

Western blot was performed using anti-Glypican 3 Monoclonal Antibody (SP86) (Product # MA5-16368) and a 66 kDa band corresponding to GPC3 was observed in Hep G2 and not in HeLa, MCF7 and T-47D which are reported to be negative. Membrane enriched extracts (30 µg lysate) of Hep G2 (Lane 1), HeLa (Lane 2), MCF7 (Lane 3) and T-47D (Lane 4) were electrophoresed using NuPAGE™ 10% Bis-Tris Protein Gel (Product # NP0302BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using SuperSignal™ West Dura Extended Duration Substrate (Product # 34076).



Glypican 3 Antibody (MA5-16368)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models tested owing to their inherent genetic constitution. Relative expression of GPC3 was observed in Hep G2 in comparison to HeLa, MCF7 and T-47D using Glypican 3 Monoclonal Antibody (SP86) (Product # MA5-16368) in Western Blot. {RE}



Glypican 3 Antibody (MA5-16368) in IHC (P)

Immunohistochemical (Paraffin) analysis of Glypican-3 using anti-Glypican-3 antibody (Product # MA5-16368) in human liver hepatocellular carcinoma.

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Western Blot (1)

Journal of hepatocellular carcinoma	Year 2022
<b>Impaired Autophagy Response in Hepatocellular Carcinomas Enriches Glypican-3 in Exosomes, Not in the Microvesicles.</b>	
"Published figure using Glypican 3 monoclonal antibody (Product # MA5-16368) in Western Blot"	
Authors: Koksai AR,Thevenot P,Aydin Y,Nunez K,Sandow T,Widmer K,Nayak L,Scott J,Delk M,Moehlen MW,Cohen AJ, Dash S	

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