Product Datasheet

Glypican 1 Antibody
H00002817-A01

Unit Size: 0.05 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

www.novusbio.com technical@novusbio.com

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Glypican 1 Antibody

Product Information

Unit Size	0.05 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Unpurified
Buffer	50 % glycerol

Product Description

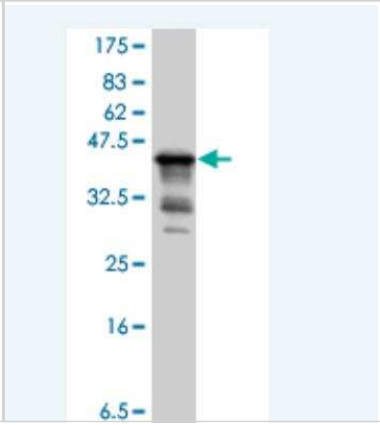
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	2817
Gene Symbol	GPC1
Species	Human, Monkey
Specificity/Sensitivity	GPC1 - glypican 1
Immunogen	GPC1 (NP_002072, 24 a.a. - 131 a.a.) partial recombinant protein with GST tag. DPASKSRSCGEVRQIYGAKGFSLSDVPQAEISGEHLRICPQGYTCCTSEMEEN LANRSHAELETALRDSSRVLQAMLATQLRSFDDHFQHLLNDSERTLQATFPGA FG
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details

Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
Application Notes	The quality control of this antibody is limited to WB on the immunizing protein. It has been used for ELISA. Abnova's recommended working dilutions for western analysis are as follows: 1:500 dilution for ascites 1:1000 for purified Ig 1:500

Images

Western Blot: Glypican 1 Antibody [H00002817-A01] - Detection against Immunogen (37.99 KDa) .



Publications

Payne CK, Jones SA, Chen C et al. Internalization Trafficking of Cell Surface Proteoglycans Proteoglycan-Binding Ligs. Traffic;8(4):389-401. 2007-04-01 [PMID: 17394486]

Wu HY, Chang YH, Chang YC, Liao PC et al. Proteomics analysis of nasopharyngeal carcinoma cell secretome using a hollow fiber culture system and mass spectrometry. J Proteome Res. 2009-01-01 [PMID: 19012429]

Procedures

Protocol specific for Glypican 1/ GPC1 Antibody (H00002817-A01)
Protocol specific for Glypican 1/ GPC1 Antibody (H00002817-A01):
ELISA Protocol

1. Coat antigen (200 ng/well) onto the wells in a 96 well mictrotiter plate.
2. Block unbound sites with 5% skim milk in PBS.
3. Apply hybridoma culture supernatant/ ascites/ purified Ig as primary antibody. Incubate the plate at room temperature for two hours.
4. Wash 4 times with PBST.
5. Apply HRP conjugated secondary antibody, and incubate the plate at room temperature for one hour.
6. Wash 8 times with PBST.
7. Apply 0.1 ml OPD in citric acid buffer, and incubate at room temperature for 20minutes. Read the plate in ELISA reader at 450 nm.
- Between each step, plates were adequately washed using PBST.
- Secondary antibody dilution, 1:1000.
Primary Antibody/Dilution:
- Poly sera @ 1500X
- Cultured Supernatant @ 1X
- Ascites @ 1000X
- Purified Ig @ 1 ug/ml
Diluents:
- 5% skim milk in PBST
Material:
- PBST, 0.2% Tween 20
- Citric acid buffer, pH 5.0
- OPD: Sigma, P-1526

Western Blot Protocol

1. Antigens were denatured and loaded onto polyacryamide gel (200 ng/ lane). Run the gel at 150V for 80minutes when samples enter separating gel.
2. Transfer antigens onto PVDF membrane.
3. Block PVDF membrane in 5% skim milk in PBST at room temperature for one hour.
4. Apply hybridoma culture supernatant/ ascites/ purified Ig as primary antibody. Incubate the membrane at room temperature on an orbital shaker for one hour.
5. Wash 5 times with PBST.
6. Apply HRP conjugated secondary antibody, and incubate the membrane at room temperature on an orbital shaker for one hour.
7. Wash 5 times with PBST.
8. Use UVP autochemi/ ECL system for signal detection (to visualize the result).
- Between each step, plates were adequately washed using PBST.
- Secondary antibody dilution, 1:10,000.
Primary Antibody/Dilution:
- Poly sera @ 6000X
- Cultured Supernatant @ 2X
- Ascites @ 1000X
- Purified Ig @ 1ug/ml
Diluents:
- 5% skim milk in PBST

Novus Biologicals USA
10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada
21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information
www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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