

Product Datasheet

SM047 Antibody NBP1-97921SS

Unit Size: 0.025 ml

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

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Publications: 1

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NBP1-97921SS

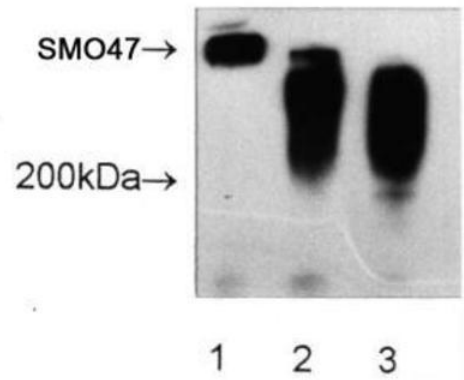
SM047 Antibody (SM047)

Product Information	
Unit Size	0.025 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	Monoclonal
Clone	SM047
Preservative	0.1% Sodium Azide
Isotype	IgM
Purity	Ascites
Product Description	
Host	Mouse
Species	Human
Species Reactivity	Human.
Specificity/Sensitivity	Glycocalyx of human ovarian carcinoma cells.
Immunogen	Cell membranes from human ovarian serous cystadenocarcinoma and cells from human ovarian cancer cell line UWOV1.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Immunocytochemistry/Immunofluorescence 1:100-1:1000, Immunohistochemistry 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, immunoprecipitation 1:10-1:100, Western Blot 1:1000-1:5000
Application Notes	This SM047 antibody is useful for Western blot, Immunohistochemistry on paraffin-embedded sections, Immunocytochemistry/Immunofluorescence and Immunoprecipitation. In Western blot a band can be seen above 200 kDa. For IHC-P, trypsin antigen retrieval is recommended (0.1%, 37C 10 min).

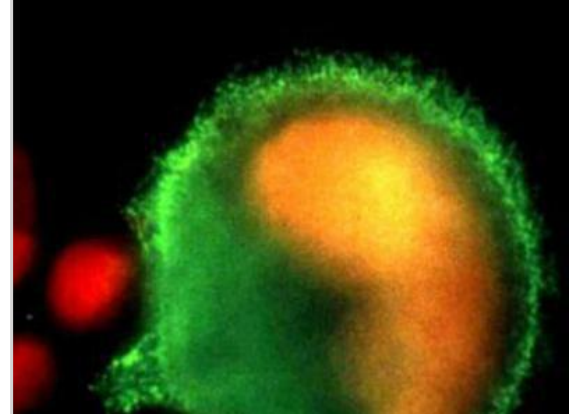


Images

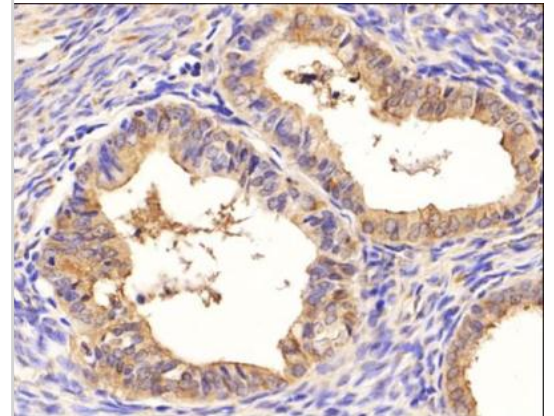
Western Blot: SM047 Antibody (SM047) [NBP1-97921] - SM047 immunoprecipitates immunoblotted with the SM047 antibody. Lane 1) UWOV1 lysate, Lane 2) ovarian cancer patients serum and Lane 3) pooled normal serum.



Immunocytochemistry/Immunofluorescence: SM047 Antibody (SM047) [NBP1-97921] - Staining of a cell from an ovarian cancer cell line, labeled with SMO47 antibody. The green fluorescence shows where the antibody has bound to the glycocalyx of the cell.



Immunohistochemistry: SM047 Antibody (SM047) [NBP1-97921] - Immunohistochemical analysis of SM047 in human ovarian cancer using NBP1-97921. Trypsin antigen retrieval was preformed (0.1%, 37C 10 min).



Publications

McCluggage WG, Maxwell P, Veenstra H et al. Monoclonal antibody SM047 as an immunohistochemical marker of ovarian adenocarcinoma. *Histopathology*. 2001 Jun;38(6):542-9. PubMed PMID: 11422498. [IF, ELISA, IP, IHC-P] *Histopathology* 2001 Jun [PMID: 11422498]

Procedures

Protocol Specific for SM047 Antibody (SM047)

Immunohistochemistry-Paraffin Embedded Sections

Antigen Unmasking: Trypsin antigen retrieval (0.1%, 37C 10 mins)

Staining:

1. Wash sections in deionized water three times for 5 minutes each.
2. Wash sections in wash buffer for 5 minutes.
3. Block each section with 100-400 ul blocking solution for 1 hour at room temperature.
4. Remove blocking solution and add 100-400 ul diluted primary antibody. Incubate overnight at 4C.
5. Remove antibody solution and wash sections in wash buffer three times for 5 minutes each.
6. Add 100-400 ul biotinylated diluted secondary antibody. Incubate 30 minutes at room temperature.
7. Remove secondary antibody solution and wash sections three times with wash buffer for 5 minutes each.
8. Add 100-400 ul Streptavidin-HRP reagent to each section and incubate for 30 minutes at room temperature.
9. Wash sections three times in wash buffer for 5 minutes each.
10. Add 100-400 ul DAB substrate to each section and monitor staining closely.
11. As soon as the sections develop, immerse slides in deionized water.
12. Counterstain sections in hematoxylin.
13. Wash sections in deionized water two times for 5 minutes each.
14. Dehydrate sections.
15. Mount coverslips.

*The above information is only intended as a guide. The researcher should determine what protocol best meets their needs. Please follow safe laboratory procedures.





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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 guarantee, please visit www.novusbio.com/guarantee.

