

# Product Datasheet

## Fascin Antibody (FSCN1/417) - Azide and BSA Free NBP2-47801-0.1mg

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

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Updated 4/13/2025 v.20.1

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**NBP2-47801-0.1mg**

Fascin Antibody (FSCN1/417) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	FSCN1/417
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	55 kDa

Product Description	
Description	<p>1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA &amp; azide. Also available at 200 ug/ml WITH BSA &amp; azide (NBP2-44383).</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.</p>
Host	Mouse
Gene ID	6624
Gene Symbol	FSCN1
Species	Human
Marker	Reed-Sternberg Cell Marker
Specificity/Sensitivity	<p>Recognizes a protein of 55kDa, which is identified as fascin-1. Its actin binding ability is regulated by phosphorylation. Antibody to fascin-1 is a very sensitive marker for Reed-Sternberg cells and variants in nodular sclerosis, mixed cellularity, and lymphocyte depletion Hodgkins disease. It is uniformly negative in lymphoid cells, plasma cells, and myeloid cells. Fascin-1 is also expressed in dendritic cells. This marker may be helpful to distinguish between Hodgkin lymphoma and non-Hodgkin lymphoma in difficult cases. Also, the lack of expression of fascin-1 in the neoplastic follicles in follicular lymphoma may be helpful in distinguishing these lymphomas from reactive follicular hyperplasia in which the number of follicular dendritic cells is normal or increased. Antibody to fascin-1 has been suggested as a prognostic marker in neuroendocrine neoplasms of the lung as well as in ovarian cancer. Fascin-1 expression may be induced by Epstein-Barr virus (EBV) infection of B cells with the possibility that viral induction of fascin in lymphoid or other cell types must also be considered in EBV-positive cases.</p>
Immunogen	Full length recombinant human Fascin protein (Uniprot: Q16658)

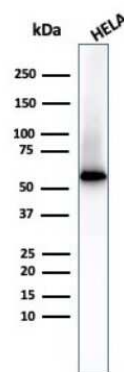
Product Application Details	
Applications	Western Blot, Simple Western, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence



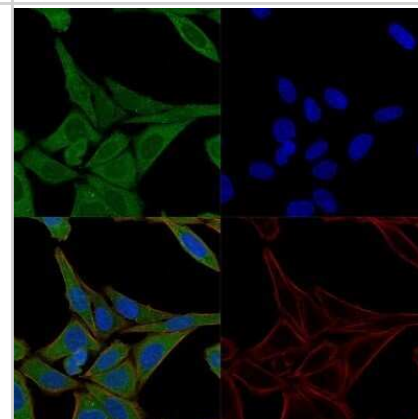
<b>Recommended Dilutions</b>	Western Blot 0.5 - 1.0 ug/ml, Simple Western 10 ug/ml, Flow Cytometry 0.5 - 1 ug/million cells in 0.1 ml, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin 0.5 - 1.0 ug/ml, Immunofluorescence 1 - 2 ug/ml, CyTOF-ready
<b>Application Notes</b>	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined. In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: antibody dilution of 10 ug/mL

## Images

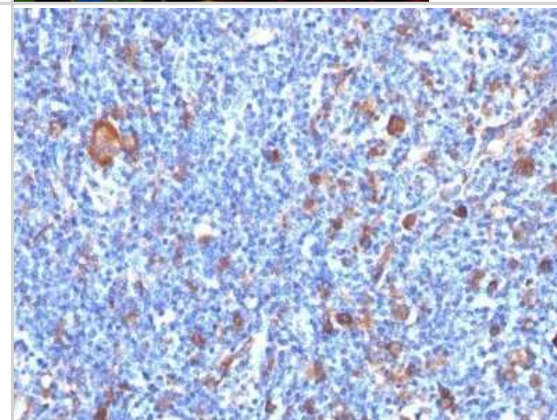
Western Blot: Fascin Antibody (FSCN1/417) - Azide and BSA Free [NBP2-47801] - Western Blot of HeLa cell lysate Using Fascin antibody (FSCN1/417)



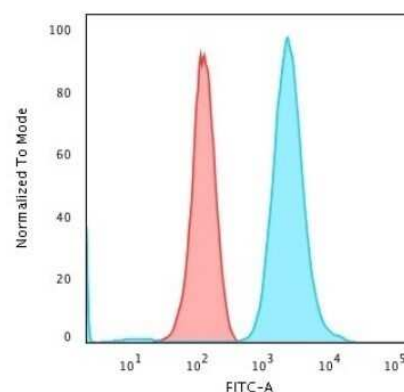
Immunocytochemistry/Immunofluorescence: Fascin Antibody (FSCN1/417) - Azide and BSA Free [NBP2-47801] - Immunofluorescence Analysis of HeLa cells labeling Fascin with Fascin Antibody (FSCN1/417)-CF640 (Green). The nuclear counterstain is Hoescht (Blue). Membrane is Phalloidin 488 (Red) .



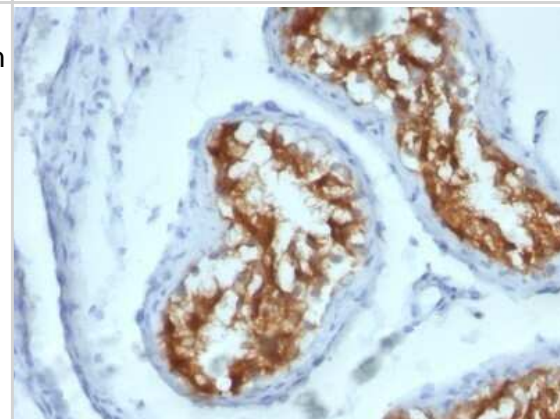
Immunohistochemistry-Paraffin: Fascin Antibody (FSCN1/417) - Azide and BSA Free [NBP2-47801] - Human Hodgkin's Lymphoma stained with Fascin-1 Monoclonal Antibody (FSCN1/417)



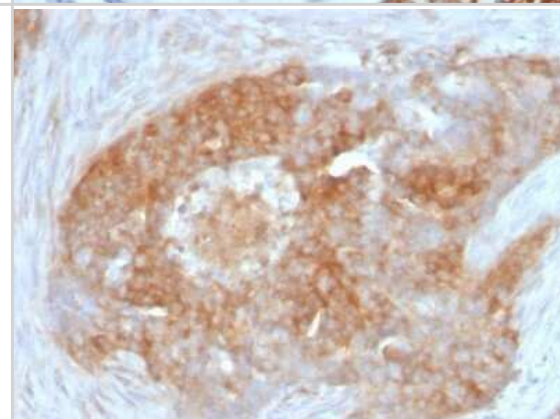
Flow Cytometry: Fascin Antibody (FSCN1/417) - Azide and BSA Free [NBP2-47801] - Flow Cytometric Analysis of PFA-fixed K562 cells using Fascin Antibody (FSCN1/417) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red)



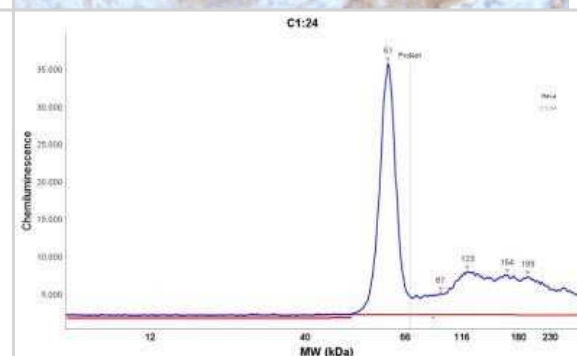
Immunohistochemistry-Paraffin: Fascin Antibody (FSCN1/417) - Azide and BSA Free [NBP2-47801] - Human Testicular Carcinoma stained with Fascin-1 Monoclonal Antibody (FSCN1/417)



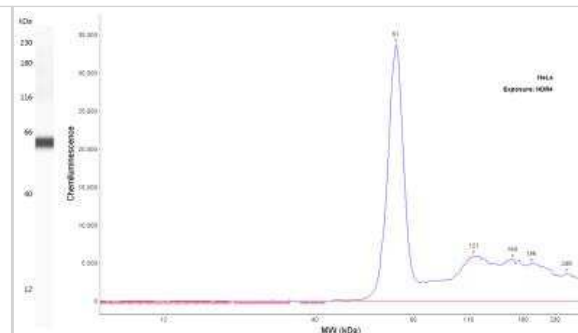
Immunohistochemistry-Paraffin: Fascin Antibody (FSCN1/417) - Azide and BSA Free [NBP2-47801] - Human Ovarian Carcinoma stained with Fascin-1 Monoclonal Antibody (FSCN1/417)



Simple Western: Fascin Antibody (FSCN1/417) - Azide and BSA Free [NBP2-47801] - Electropherogram image of the corresponding Simple Western lane. Fascin antibody was used at 10 ug/ml dilution of HeLa lysates(s) respectively.



Simple Western: Fascin Antibody (FSCN1/417) - Azide and BSA Free [NBP2-47801] - Lane view shows a specific band for Fascin / FSCN1 in HeLa cell lysate using 10 ug/mL antibody dilution. Electropherogram image of corresponding Simple Western lane view at WES molecular weight of 61 kDa. Image from an internal validation.



Simple Western: Fascin Antibody (FSCN1/417) - Azide and BSA Free [NBP2-47801] - Simple Western lane view shows a specific band for Fascin in 0.2 mg/ml of HeLa lysate(s). This experiment was performed under reducing conditions using the 12-230 kDa separation system.





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### **Products Related to NBP2-47801-0.1mg**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP1-45313-0.1mg	Recombinant Human Fascin His Protein

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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.

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