

# Product Datasheet

## **Spectrin beta 3 Antibody (SPTBN2/1583) - Azide and BSA Free** **NBP2-54440-100ug**

Unit Size: 100 ug

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

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**NBP2-54440-100ug**

Spectrin beta 3 Antibody (SPTBN2/1583) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	SPTBN2/1583
Preservative	No Preservative
Isotype	IgG2b Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	246 kDa

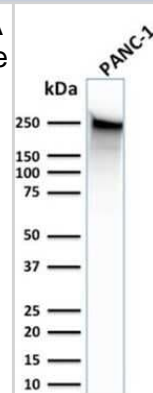
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-53312).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	6712
Gene Symbol	SPTBN2
Species	Human
Immunogen	Recombinant fragment (around aa356-475) of human Spectrin beta 3 protein (exact sequence is proprietary) (Uniprot: O15020)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array, CyTOF-ready
Recommended Dilutions	Western Blot 0.5 - 1.0 ug/ml, Flow Cytometry 0.5 - 1 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 0.5 - 1 ug/ml, Immunohistochemistry-Paraffin 0.5 - 1.0 ug/ml, Protein Array, CyTOF-ready
Application Notes	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.

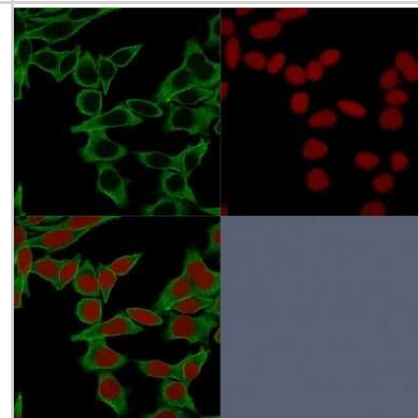


## Images

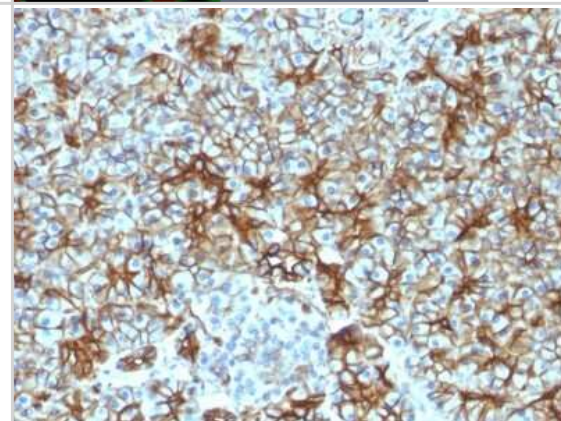
Western Blot: Spectrin beta 3 Antibody (SPTBN2/1583) - Azide and BSA Free [NBP2-54440] - Western Blot Analysis of human PANC-1 cell lysate using Spectrin beta 3 Antibody (SPTBN2/1583).



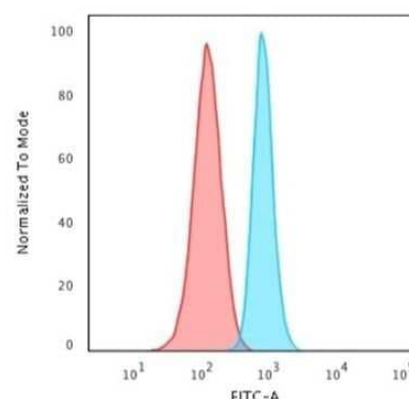
Immunocytochemistry/Immunofluorescence: Spectrin beta 3 Antibody (SPTBN2/1583) - Azide and BSA Free [NBP2-54440] - Confocal Immunofluorescence of HeLa cells. Spectrin beta 3 Antibody (SPTBN2/1583) labeled with CF488 (Green). Red Dot is used to label the nuclei.



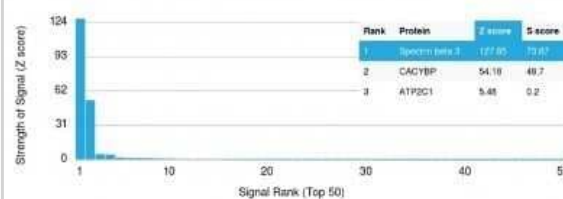
Immunohistochemistry-Paraffin: Spectrin beta 3 Antibody (SPTBN2/1583) - Azide and BSA Free [NBP2-54440] - Formalin-fixed, paraffin-embedded Human Pancreas stained with Spectrin beta III Monoclonal Antibody (SPTBN2/1583).



Flow Cytometry: Spectrin beta 3 Antibody (SPTBN2/1583) - Azide and BSA Free [NBP2-54440] - Flow Cytometric Analysis of HeLa cells. Spectrin beta 3 Antibody (SPTBN2/1583) labeled with CF488 followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



**Protein Array: Spectrin beta 3 Antibody (SPTBN2/1583) - Azide and BSA Free [NBP2-54440] - Analysis of Protein Array containing more than 19,000 full-length human proteins using Spectrin beta 3 Antibody (SPTBN2/1583).** Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5.





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### **Products Related to NBP2-54440-100ug**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
NBP2-48703PEP	Spectrin beta 3 Recombinant Protein Antigen

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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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