

# Product Datasheet

## Spectrin beta 3 Antibody (3B1NB) - Azide and BSA Free NBP2-44311

Unit Size: 0.1 mg

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

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**NBP2-44311**

Spectrin beta 3 Antibody (3B1NB) - Azide and BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	3B1NB
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG3 Kappa
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS

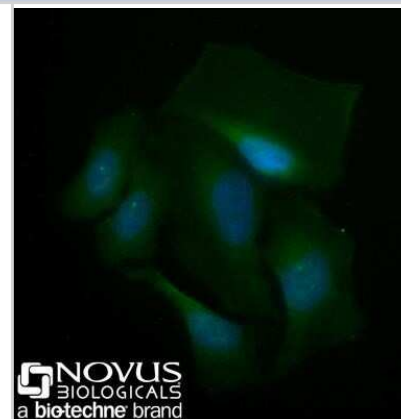
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse Spectrin beta 3 Antibody (3B1NB) - Azide and BSA Free (NBP2-44310) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	6712
<b>Gene Symbol</b>	SPTBN2
<b>Species</b>	Human
<b>Immunogen</b>	Partial recombinant human Spectrin beta 3 protein (between amino acids 1300-1500) [UniProt O15020]

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow (Cell Surface), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 3-4 ug/ml, Immunohistochemistry 1:200-1:500, Immunocytochemistry/ Immunofluorescence 20 ug/ml, Immunohistochemistry-Paraffin 1:200-1:500, Flow (Cell Surface) 1:500

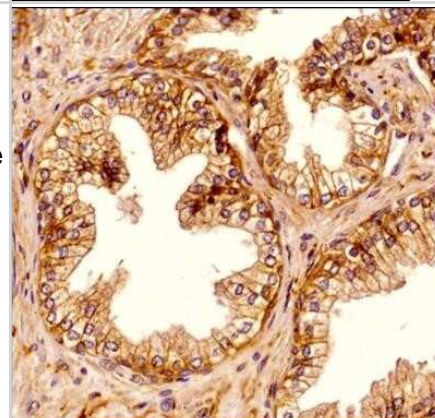


## Images

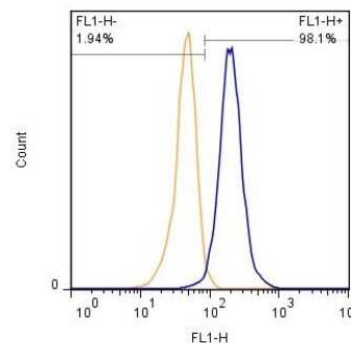
**Immunocytochemistry/Immunofluorescence: Spectrin beta 3 Antibody (3B1NB) - Azide Free [NBP2-44311]** - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.05% Triton-X100. The cells were incubated with anti-Spectrin beta 3 (3B1NB) conjugated to Alexa Fluor 488 [NBP2-44310AF488] at 10ug/ml for 1 hour at room temperature. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



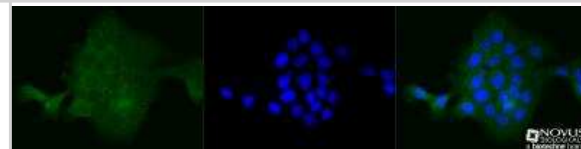
**Immunohistochemistry-Paraffin: Spectrin beta 3 Antibody (3B1NB) - Azide Free [NBP2-44311]** - IHC analysis of a formalin fixed and paraffin embedded tissue section of normal human prostate using 1:200 dilution of Spectrin beta 3 antibody (clone 3B1NB). The antibody generated a specific cytoplasmic staining with strong signal at cell-cell junctions in the glandular epithelium of the prostate section. The cells of fibromuscular stroma showed a diffused signal throughout the sections. Image using the standard format of this product.



**Flow (Cell Surface): Spectrin beta 3 Antibody (3B1NB) - Azide Free [NBP2-44311]** - Spectrin B3 antibody (clone 3B1NB) was used to stain HeLa cells ( $1 \times 10^6$  cells/ml) at a 1:500 dilution detected using Dylight-488 conjugated goat anti-rat IgG secondary antibody (blue peak). Shown with secondary control (orange peak).



**Immunocytochemistry/Immunofluorescence: Spectrin beta 3 Antibody (3B1NB) - Azide Free [NBP2-44311]** - A431 cells were fixed for 10 minutes using -20C MeOH. The cells were incubated with anti-Spectrin beta 3 (3B1NB) [NBP2-44311-azide free] at a 1:50 dilution overnight at 4C and detected with an anti-mouse Dylight 488 (Green) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.





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### **Products Related to NBP2-44311**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96978	Mouse IgG3 Kappa Light Chain Isotype Control (MG3K)

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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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