

# Product Datasheet

## Spectrin beta 3 Antibody - BSA Free NB110-58783

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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**NB110-58783**

Spectrin beta 3 Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)
Target Molecular Weight	271 kDa

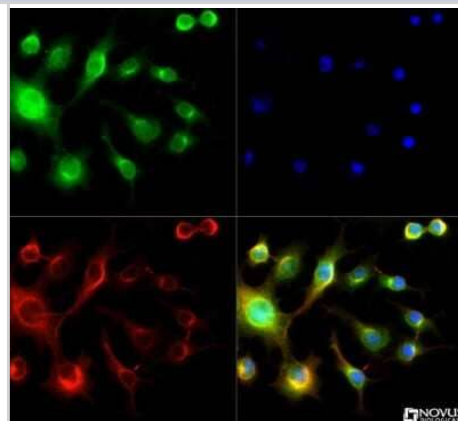
Product Description	
Description	Novus Biologicals Rabbit Spectrin beta 3 Antibody - BSA Free (NB110-58783) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	6712
Gene Symbol	SPTBN2
Species	Human
Reactivity Notes	Human.
Immunogen	The epitope recognized by this antibody maps to a region between residues 2150 and 2200 of Spectrin beta 3 using the numbering given in entry NP_008877.1

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Western Blot (Negative)
Recommended Dilutions	Western Blot, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:250, Immunoprecipitation 2-5 ug/mg lysate, Immunohistochemistry-Paraffin, Western Blot (Negative)
Application Notes	This Spectrin beta 3 antibody is useful for Immunoprecipitation, Immunocytochemistry/Immunofluorescence and Immunohistochemistry paraffin embedded sections. It is not recommended for Western blot analysis. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

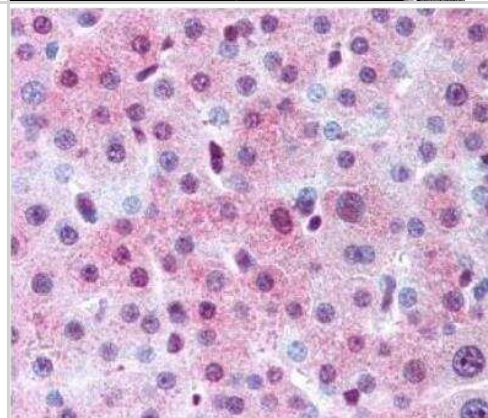


## Images

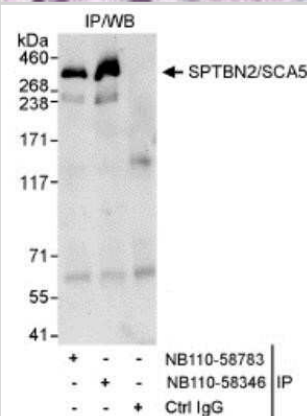
**Immunocytochemistry/Immunofluorescence: Spectrin beta 3 Antibody [NB110-58783]** - Spectrin beta 3 antibody was tested in Neuro 2A cells with DyLight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and Dylight 550 (red).



**Immunohistochemistry: Spectrin beta 3 Antibody [NB110-58783]** - Detection of Spectrin Beta-III in human hepatocytes using NB110-58783.



**Immunoprecipitation: Spectrin beta 3 Antibody [NB110-58783]** - Detection of Human SPTBN2/SCA5 by Western Blot of Immunoprecipitates. Samples: Whole cell lysate (1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-SPTBN2/SCA5 antibody NB110-58783 used for IP at 3 mcg/mg lysate. SPTBN2/SCA5 was also immunoprecipitated by rabbit anti-SPTBN2/SCA5 antibody NB110-58346, which recognizes a downstream epitope. Detection: Chemiluminescence with an exposure time of 30 seconds.



## Procedures

### **Immunocytochemistry/Immunofluorescence protocol for Spectrin beta 3 Antibody (NB110-58783)**

Spectrin beta 3 Antibody:  
Immunocytochemistry Protocol

Culture cells to appropriate density in 35 mm culture dishes or 6-well plates.

1. Remove culture medium and add 10% formalin to the dish. Fix at room temperature for 30 minutes.
2. Remove the formalin and add ice cold methanol. Incubate for 5-10 minutes.
3. Remove methanol and add washing solution (i.e. PBS). Be sure to not let the specimen dry out. Wash three times for 10 minutes.
4. To block nonspecific antibody binding incubate in 10% normal goat serum from 1 hour to overnight at room temperature.
5. Add primary antibody at appropriate dilution and incubate at room temperature from 2 hours to overnight at room temperature.
6. Remove primary antibody and replace with washing solution. Wash three times for 10 minutes.
7. Add secondary antibody at appropriate dilution. Incubate for 1 hour at room temperature.
8. Remove antibody and replace with wash solution, then wash for 10 minutes. Add Hoechst 33258 to wash solution at 1:25,000 and incubate for 10 minutes. Wash a third time for 10 minutes.
9. Cells can be viewed directly after washing. The plates can also be stored in PBS containing Azide covered in Parafilm (TM). Cells can also be cover-slipped using Fluoromount, with appropriate sealing.

\*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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### **Products Related to NB110-58783**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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