

# Product Datasheet

## Spectrin beta 3 Antibody (1287A) - Azide and BSA Free NBP2-59668

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-59668**

Spectrin beta 3 Antibody (1287A) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1287A
Preservative	No Preservative
Isotype	IgG
Purity	Protein A or G purified
Buffer	PBS

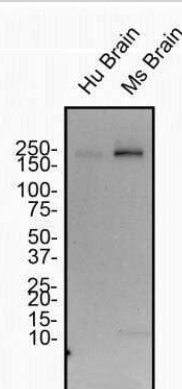
Product Description	
Description	Novus Biologicals Rabbit Spectrin beta 3 Antibody (1287A) - Azide and BSA Free (NBP2-59668) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	6712
Gene Symbol	SPTBN2
Species	Human, Mouse
Immunogen	Synthetic peptide containing the C-terminal region of human Spectrin beta 3 (UniProt O15020)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 2 ug/ml, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 5 - 20 ug/ml, Immunohistochemistry-Paraffin 1:1000, Flow (Intracellular) 1 ug/mL

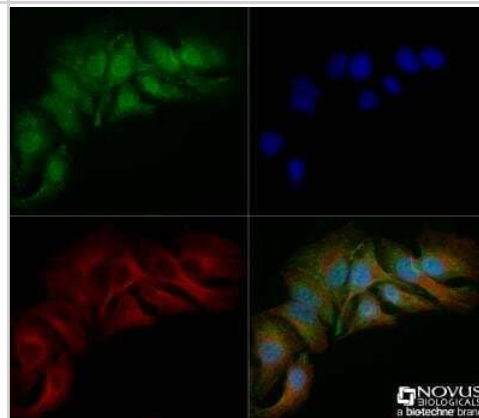


## Images

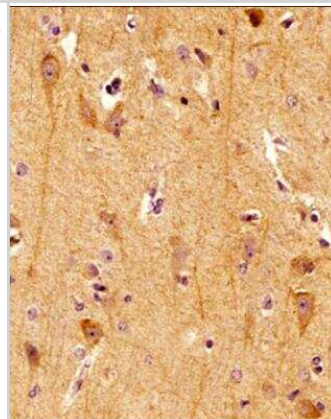
**Western Blot: Spectrin beta 3 Antibody (1287A) [NBP2-59668]** - Total protein from Human and Mouse Brain was separated on a 7.5% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 2.0 ug/ml anti-Spectrin Beta III in blocking buffer and detected with an anti-rabbit HRP secondary antibody using chemiluminescence.



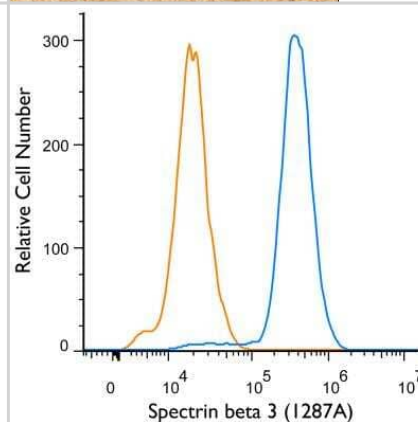
**Immunocytochemistry/Immunofluorescence: Spectrin beta 3 Antibody (1287A) [NBP2-59668]** - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton-X100. The cells were incubated with anti-Spectrin beta 3 (1287A) at 5.0ug/ml overnight at 4C and detected with an anti-rabbit Dylight 488 (Green) at a 1:500 dilution. Alpha tubulin (DM1A) NB100-690 was used as a co-stain at a 1:1000 dilution and detected with an anti-mouse Dylight 550 (Red) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



**Immunohistochemistry-Paraffin: Spectrin beta 3 Antibody (1287A) [NBP2-59668]** - IHC analysis of a formalin fixed paraffin embedded (FFPE) tissue section of human brain using Spectrin beta III antibody at a 1:1,000 dilution. The primary antibody bound to Spectrin beta III was detected with HRP-DAB detection method and the nuclei were counterstained with hematoxylin. This Spectrin beta III antibody generated a specific cytoplasmic staining in all the cells with strongest signal in neuronal cells.



**Flow (Intracellular): Spectrin beta 3 Antibody (1287A) [NBP2-59668]** - An intracellular stain was performed on HeLa Cells with Spectrin beta 3 (1287A) antibody NBP2-59668 (blue) and a matched isotype control MAB1050 (orange). Cells were fixed with 4% paraformaldehyde, following fixation, cells were permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature, followed by rabbit IgG APC-conjugated secondary antibody (F0111, R&D Systems).





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### **Products Related to NBP2-59668**

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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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