

# Product Datasheet

## Spectrin alpha 1 Antibody (SPTA1/1832) - Azide and BSA Free NBP2-79906

Unit Size: 100 ug

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

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**NBP2-79906**

Spectrin alpha 1 Antibody (SPTA1/1832) - 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	SPTA1/1832
Preservative	No Preservative
Isotype	IgG2b Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	240 kDa

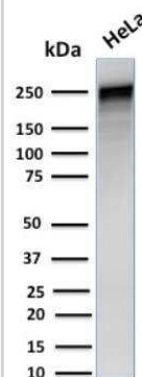
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-79772).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	6708
Gene Symbol	SPTA1
Species	Human
Marker	Erythrocyte Marker
Immunogen	Recombinant human Spectrin alpha 1 fragment (around aa356-475) (exact sequence is proprietary) (Uniprot: P02549)

Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array
Recommended Dilutions	Western Blot, ELISA 2-4 ug/ml, Immunohistochemistry 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, Protein Array
Application Notes	ELISA: Use Ab at 2-4ug/ml for coating. Order Ab without BSA. 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.

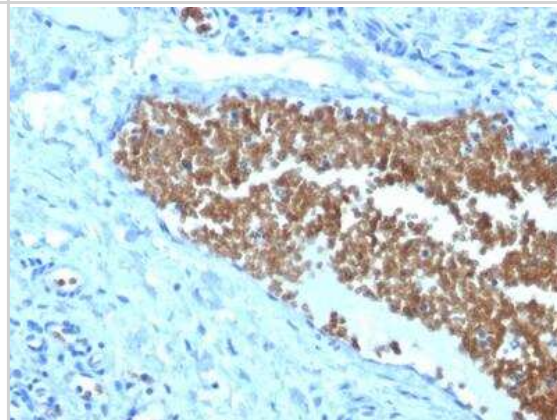


## Images

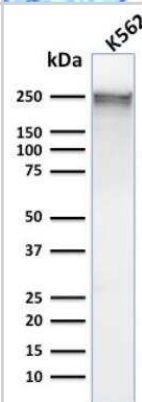
Western Blot: Spectrin alpha 1 Antibody (SPTA1/1832) - Azide and BSA Free [NBP2-79906] - Western Blot Analysis of Human HeLa cell lysate using Spectrin alpha 1 Mouse Monoclonal Antibody (SPTA1/1832).



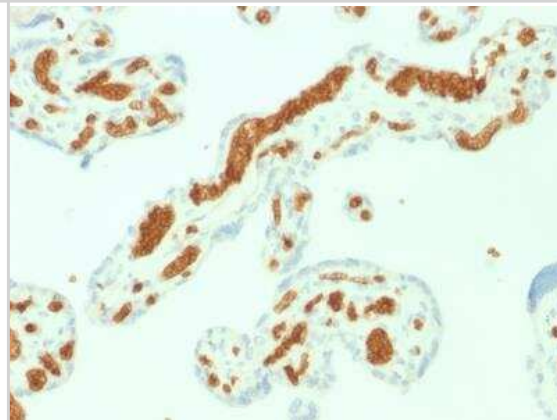
Immunohistochemistry-Paraffin: Spectrin alpha 1 Antibody (SPTA1/1832) - Azide and BSA Free [NBP2-79906] - Formalin-fixed, paraffin-embedded human Tonsil stained with Spectrin alpha 1 (SPTA1) Mouse Monoclonal Antibody (SPTA1/1832).



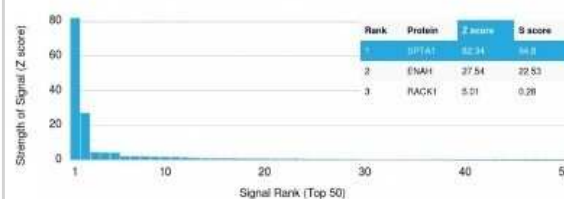
Western Blot: Spectrin alpha 1 Antibody (SPTA1/1832) - Azide and BSA Free [NBP2-79906] - Western Blot Analysis of Human K562 cell lysate using Spectrin alpha 1 Mouse Monoclonal Antibody (SPTA1/1832).



Immunohistochemistry-Paraffin: Spectrin alpha 1 Antibody (SPTA1/1832) - Azide and BSA Free [NBP2-79906] - Formalin-fixed, paraffin-embedded human Placenta stained with Spectrin alpha 1 (SPTA1) Mouse Monoclonal Antibody (SPTA1/1832).



**Protein Array: Spectrin alpha 1 Antibody (SPTA1/1832) - Azide and BSA Free [NBP2-79906]** - Analysis of Protein Array containing more than 19,000 full-length human proteins using Spectrin alpha 1 Antibody (SPTA1/1832) 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 (SD's) 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 SD's) 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 NBP2-79906**

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)
NBP1-87953PEP	Spectrin alpha 1 Recombinant Protein Antigen

### **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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