

# Product Datasheet

## S100B Antibody (15F9NB) - Azide and BSA Free NBP2-45268

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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**NBP2-45268**

S100B Antibody (15F9NB) - Azide and BSA Free

**Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	15F9NB
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2b Kappa
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS

**Product Description**

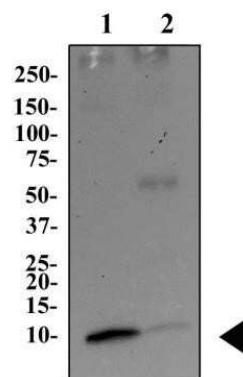
<b>Host</b>	Mouse
<b>Gene ID</b>	6285
<b>Gene Symbol</b>	S100B
<b>Species</b>	Human
<b>Immunogen</b>	Partial recombinant human S100B protein (amino acids 2-92) [Uniprot: P04271].

**Product Application Details**

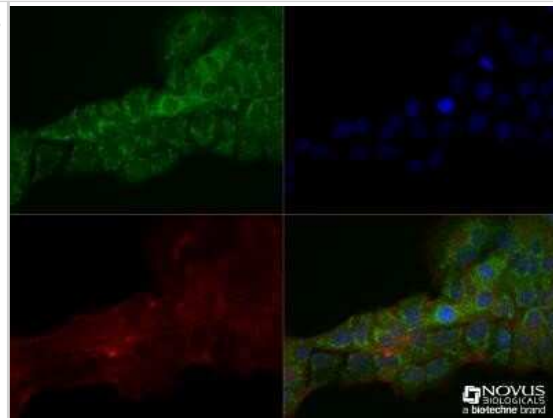
<b>Applications</b>	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
<b>Recommended Dilutions</b>	Western Blot 2 ug/ml, Flow Cytometry 1:500, Immunohistochemistry 1:100 - 1:500, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunohistochemistry-Paraffin 1:100 - 1:500, CyTOF-ready

**Images**

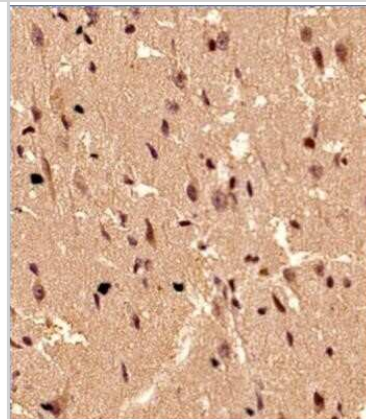
Western Blot: S100B Antibody (15F9NB) - Azide Free [NBP2-45268] - Total protein from human brain (1) and mouse brain (2) was separated on a 4-15% gel by SDS-PAGE, transferred to 0.2 um PVDF membrane for 30 minutes and blocked in 5% non-fat milk in TBST. The membrane was probed with 2 ug/ml anti-S100B in 1% milk and detected with an anti-mouse HRP secondary antibody using chemiluminescence. Image using the standard format of this product.



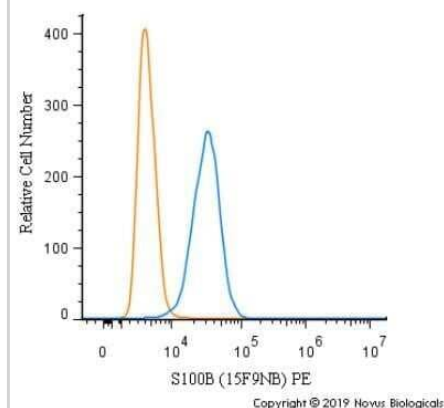
**Immunocytochemistry/Immunofluorescence: S100B Antibody (15F9NB) - Azide Free [NBP2-45268]** - A431 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with S100B (15F9NB) at a 1:100 dilution overnight at 4 degrees Celsius and detected with DyLight 488 (Green) at a 1:500 dilution. Actin was detected with Phalloidin 568 (Red) at a 1:200 dilution. Nuclei were detected with DAPI (Blue) at 2.0 ug/ml in 1X PBS. Cells were imaged using a 40X objective. Image using the standard format of this product.



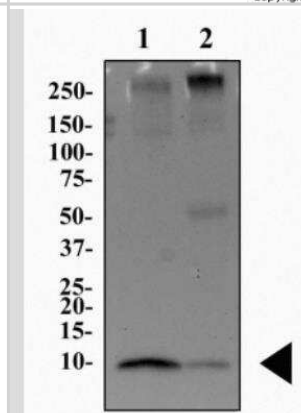
**Immunohistochemistry: S100B Antibody (15F9NB) - Azide Free [NBP2-45268]** - Analysis of S100B (15F9NB) in human brain. Image using the standard format of this product.



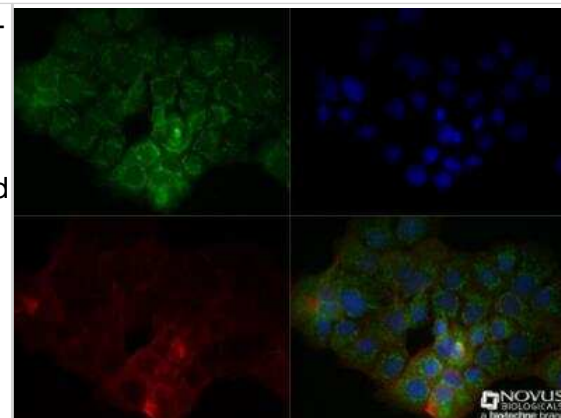
**Flow Cytometry: S100B Antibody (15F9NB) - Azide Free [NBP2-45268]** - An intracellular stain was performed on SK-MEL-28 cells with S100B [15F9NB] Antibody NBP2-45267PE (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were directly conjugated to phycoerythrin.



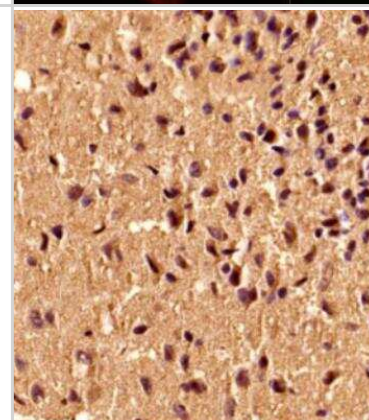
**Western Blot: S100B Antibody (15F9NB) - Azide Free [NBP2-45268]** - Total protein from human brain (1) and mouse brain (2) was separated on a 4-15% gel by SDS-PAGE, transferred to 0.2 um PVDF membrane for 30 minutes and blocked in 5% non-fat milk in TBST. The membrane was probed with 2 ug/ml anti-S100B in 1% milk and detected with an anti-mouse HRP secondary antibody using chemiluminescence.



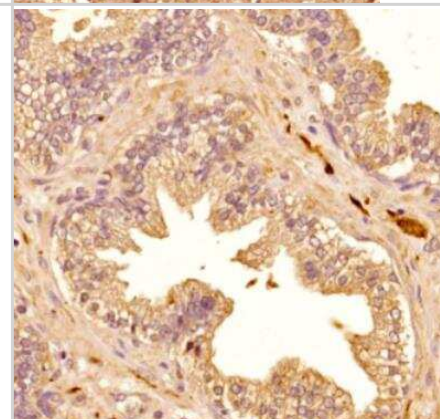
Immunocytochemistry/Immunofluorescence: S100B Antibody (15F9NB) - Azide Free [NBP2-45268] - Analysis in A431 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with S100B (15F4NB) at a 1:100 dilution overnight at 4 degrees Celsius and detected with DyLight 488 (Green) at a 1:500 dilution. Actin was detected with Phalloidin 568 (Red) at a 1:200 dilution. Nuclei were detected with DAPI (Blue) at 2.0 ug/ml in 1X PBS. Cells were imaged using a 40X objective.



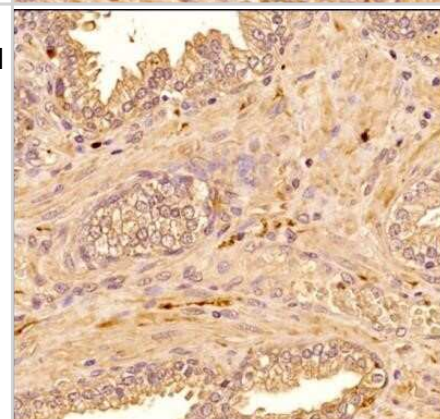
Immunohistochemistry-Paraffin: S100B Antibody (15F9NB) - Azide Free [NBP2-45268] - Analysis of S100B (15F4BN) in human brain tissue.



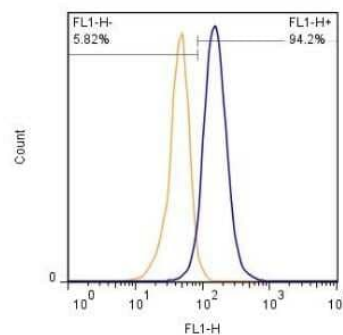
Immunohistochemistry-Paraffin: S100B Antibody (15F9NB) - Azide Free [NBP2-45268] - Analysis in human prostate tissue.



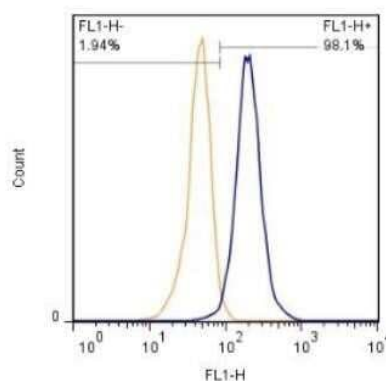
Immunohistochemistry: S100B Antibody (15F9NB) - Azide Free [NBP2-45268] - Analysis of S100B in human prostate. Image using the standard format of this product.



Flow Cytometry: S100B Antibody (15F9NB) - Azide Free [NBP2-45268] - Staining of A431 cells ( $1 \times 10^6$  cells/ml) with S100B antibody, clone 15F4.1D2 (Orange) stained at a dilution of 1:500. Detected with a GtxRb DyLight 488 secondary. Shown with the secondary control (Blue).



Flow Cytometry: S100B Antibody (15F9NB) - Azide Free [NBP2-45268] - Staining of A431 cells ( $1 \times 10^6$  cells/ml) with S100B antibody, clone 15F4.1D2 (Orange) stained at a dilution of 1:500. Detected with a GtxRb DyLight 488 secondary. Shown with the secondary control (Blue). Image using the standard format of this product.





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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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