

# Product Datasheet

**S100B Antibody (4C4.9)**

**NBP2-53179-100ug**

Unit Size: 100 ug

Store at 4C.

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## Publications: 1

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**NBP2-53179-100ug**

S100B Antibody (4C4.9)

Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	4C4.9
Preservative	0.05% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA

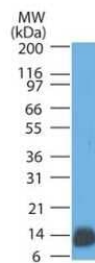
Product Description	
Host	Mouse
Gene ID	6285
Gene Symbol	S100B
Species	Human, Mouse, Rat, Bovine
Marker	Astrocyte and Melanoma Marker
Immunogen	Purified bovine brain S100 protein

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.5 - 1 ug/ml, Flow Cytometry 0.5 - 1 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1 - 2 ug/ml, Immunohistochemistry-Paraffin 0.25 - 0.5 ug/ml
Application Notes	Immunohistochemistry (Formalin-fixed): 0.25-0.5ug/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.

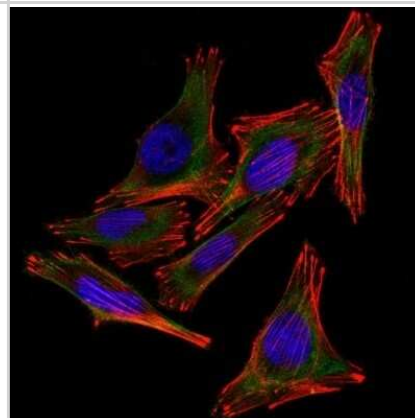


## Images

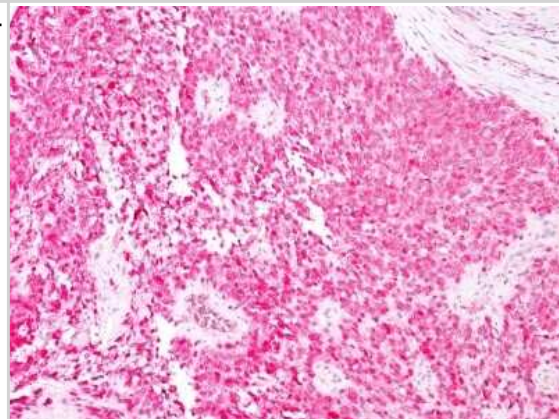
Western Blot: S100B Antibody (4C4.9) [NBP2-53179] - Analysis of human brain lysate using S100B Mouse Monoclonal Antibody (4C4.9).



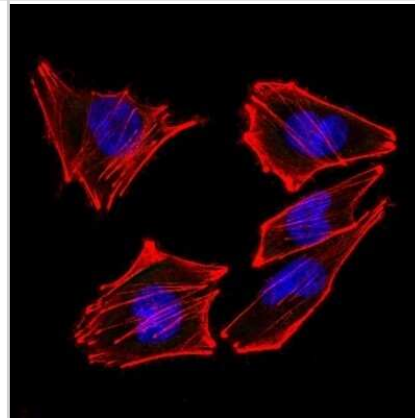
Immunocytochemistry/Immunofluorescence: S100B Antibody (4C4.9) [NBP2-53179] - Confocal Immunofluorescent analysis of A2058 cells using AF488-labeled S100B Monoclonal Antibody (4C4.9) (Green). F-actin filaments were labeled with DyLight 554 Phalloidin (red). DAPI was used to stain the cell nuclei (blue).



Immunohistochemistry-Paraffin: S100B Antibody (4C4.9) [NBP2-53179] - Formalin-fixed, paraffin-embedded human Melanoma stained with S100B Mouse Monoclonal Antibody (4C4.9) (AEC Chromogen)



Immunocytochemistry/Immunofluorescence: S100B Antibody (4C4.9) [NBP2-53179] - analysis of A2058 cells using AF488-labeled Isotype Control Monoclonal Antibody (IgG2a) (Green). F-actin filaments were labeled with DyLight 554 Phalloidin (red). DAPI was used to stain the cell nuclei (blue). (Negative Control)



## Publications

Teramoto H, Hirashima N, Tanaka M Calcineurin B1 Deficiency Reduces Proliferation, Increases Apoptosis, and Alters Secretion in Enteric Glial Cells of Mouse Small Intestine in Culture Cells 2023-07-17 [PMID: 37508531] (WB, Mouse)



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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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