

# Product Datasheet

## S100B Antibody - BSA Free

### NBP1-87102

Unit Size: 0.1 ml

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

[www.novusbio.com](http://www.novusbio.com)



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**Publications: 14**

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Updated 12/2/2025 v.20.1

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**NBP1-87102**

S100B Antibody - BSA Free

Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

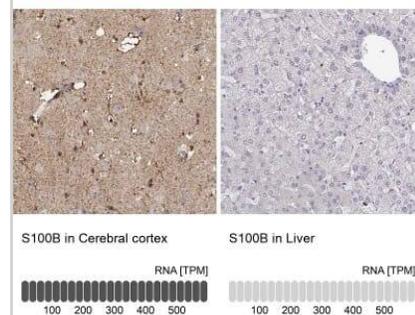
Product Description	
<b>Description</b>	Novus Biologicals Rabbit S100B Antibody - BSA Free (NBP1-87102) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-S100B Antibody: Cited in 13 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	6285
<b>Gene Symbol</b>	S100B
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Rat reactivity reported in scientific literature (PMID: 26133460). Mouse reactivity reported in scientific literature (25176044).
<b>Marker</b>	Astrocyte Marker
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: LEKAMVALIDVFHQYSGREGDKHKLKKSELKELINNELSHFLEEIKEQEVDKV METLDNDGDGECDFQEFMAFVAMVTTACHEFFEHE

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:2500 - 1:5000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:2500 - 1:5000
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

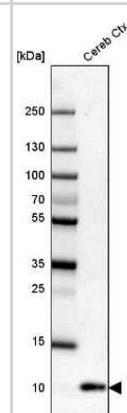


## Images

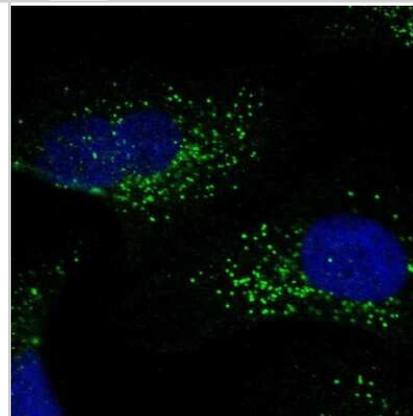
Immunohistochemistry-Paraffin: S100B Antibody [NBP1-87102] - Analysis in human cerebral cortex and liver tissues. Corresponding S100B RNA-seq data are presented for the same tissues.



Western Blot: S100B Antibody [NBP1-87102] - Analysis in mouse cerebral cortex tissue.



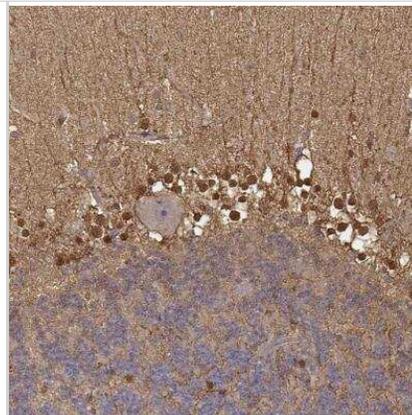
Immunocytochemistry/Immunofluorescence: S100B Antibody [NBP1-87102] - Staining of human cell line U-2 OS shows localization to vesicles. Antibody staining is shown in green.



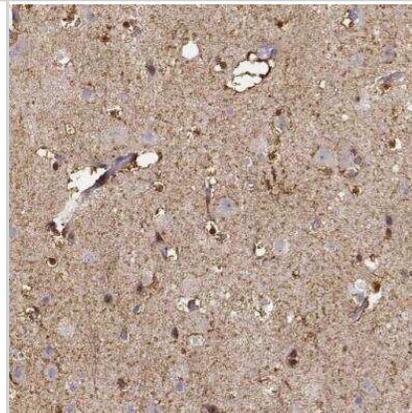
Immunohistochemistry-Paraffin: S100B Antibody [NBP1-87102] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



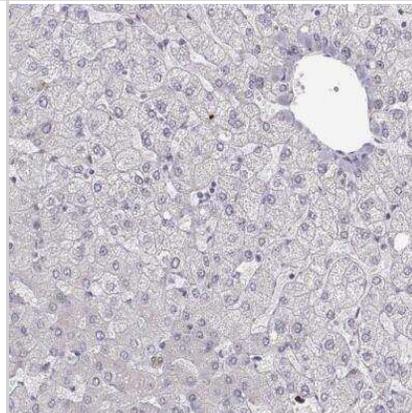
Immunohistochemistry-Paraffin: S100B Antibody [NBP1-87102] - Staining of human cerebellum shows moderate to strong nuclear positivity in cells in purkinje cell layer.



Immunohistochemistry-Paraffin: S100B Antibody [NBP1-87102] - Staining of human cerebral cortex shows moderate to strong nuclear positivity in glial cells.



Immunohistochemistry-Paraffin: S100B Antibody [NBP1-87102] - Staining of human liver shows no positivity in hepatocytes as expected.



## Publications

Theivanthiran B, Yarla N, Haykal T et al. Tumor-intrinsic NLRP3-HSP70-TLR4 axis drives premetastatic niche development and hyperprogression during anti-PD-1 immunotherapy *Science Translational Medicine* 2022-11-23 [PMID: 36417489]

Gonzalez H, Narasipura SD, Shull T et al. An Efficient and Cost-Effective Approach to Generate Functional Human Inducible Pluripotent Stem Cell-Derived Astrocytes Cells 2023-09-26 [PMID: 37830571] (ICC/IF, Human)

Konstantinidis E, Dakhel A, Beretta C, Erlandsson A Long-term effects of amyloid-beta deposits in human iPSC-derived astrocytes *Molecular and cellular neurosciences* 2023-03-11 [PMID: 36907531] (Western Blot, Human)

Horowitch B, Lee DY, Ding M et al. Subsets of interferon signaling predict response to immune checkpoint blockade in melanoma patients *Clinical cancer research : an official journal of the American Association for Cancer Research* 2023-05-26 [PMID: 37233452]

Plebanek, MP;Xue, Y;Nguyen, YV;DeVito, NC;Wang, X;Holtzhausen, A;Beasley, GM;Yarla, N;Thievanthiran, B;Hanks, BA; A SREBF2-dependent gene program drives an immunotolerant dendritic cell population during cancer progression *bioRxiv : the preprint server for biology* 2023-04-28 [PMID: 37162965] (Immunohistochemistry-Paraffin, Mouse)

Bogdanov L, Shishkova D, Mukhamadiyarov R et al. Excessive Adventitial and Perivascular Vascularisation Correlates with Vascular Inflammation and Intimal Hyperplasia *International journal of molecular sciences* 2022-10-12 [PMID: 36293013] (IF/IHC, Rat)

### Details:

Dilution used in IHC 1:100

Kim HM, Lee SH, Lim J et al. The epidermal growth factor receptor variant type III mutation frequently found in gliomas induces astrogenesis in human cerebral organoids *Cell proliferation* 2020-12-06 [PMID: 33283409] (Human)

ZHOU LN, CUI XJ, SU KX et al. Beneficial reciprocal effects of bone marrow stromal cells and Schwann cells from adult rats in a dynamic co-culture system in vitro without intercellular contact. *Mol Med Rep* 2015-10-01 [PMID: 26133460] (ICC/IF, Rat, Mouse)

Hanson MG, Fregoso V, Vrana JD et al. Peripheral nervous system defects in a mouse model for peroxisomal biogenesis disorders. *Dev Biol* 2014-11-01 [PMID: 25176044] (IF/IHC, Mouse)

Kielar M, Tuy FP, Bizzotto S et al. Mutations in *Eml1* lead to ectopic progenitors and neuronal heterotopia in mouse and human. *Nat Neurosci* 2014-07-01 [PMID: 24859200]

Darcy MJ, Trouche S, Jin SX, Feig LA. Age-Dependent Role for Ras-GRF1 in the Late Stages of Adult Neurogenesis in the Dentate Gyrus. *Hippocampus* 2014-03-01 [PMID: 24174283] (IF/IHC, Mouse)

Uhlen M, Oksvold P, Algenas C et al. Antibody-based Protein Profiling of the Human Chromosome 21. *Mol Cell Proteomics* 2012-03-01 [PMID: 22042635]

More publications at <http://www.novusbio.com/NBP1-87102>



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### **Products Related to NBP1-87102**

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NBP1-87102PEP	S100B Recombinant Protein Antigen
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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