

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.

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Publications: 14

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NBP1-87102

S100B Antibody - BSA Free

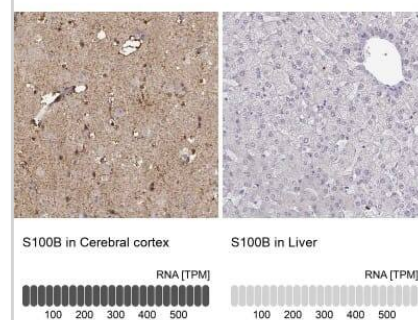
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	6285
Gene Symbol	S100B
Species	Human, Mouse, Rat
Reactivity Notes	Rat reactivity reported in scientific literature (PMID: 26133460). Mouse reactivity reported in scientific literature (25176044).
Marker	Astrocyte Marker
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: LEKAMVALIDVFHQYSGREGDKHKLKSELKELINNELSHFLEEIKEQEVDKV METLDNDGDGECDFQEFMAFVAMVTTACHEFFEHE

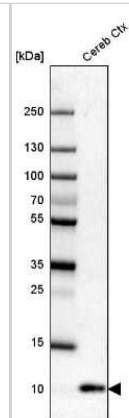
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:2500 - 1:5000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin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

Images

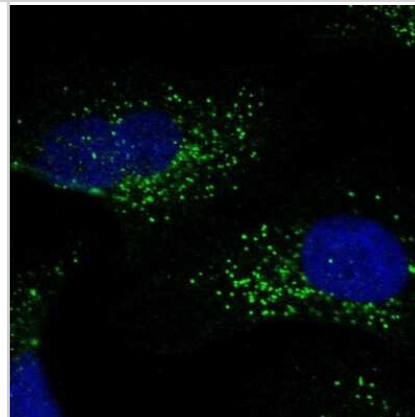
Immunohistochemistry-Paraffin: S100B Antibody [NBP1-87102] - Analysis in human cerebral cortex and liver tissues. Corresponding S100B RNA-seq data are presented for the same tissues.



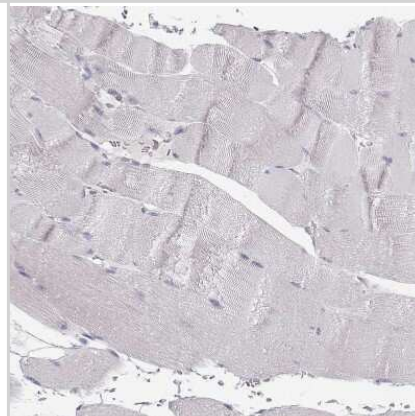
Western Blot: S100B Antibody [NBP1-87102] - Analysis in mouse cerebral cortex tissue.



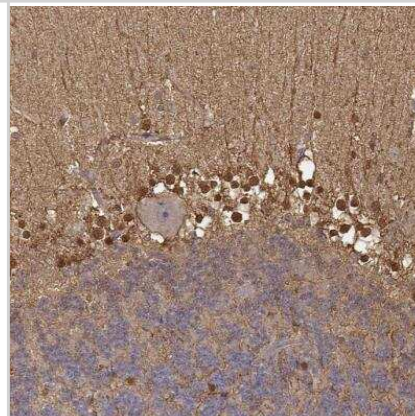
Immunocytochemistry/Immunofluorescence: S100B Antibody [NBP1-87102] - Staining of human cell line U-2 OS shows localization to vesicles. Antibody staining is shown in green.



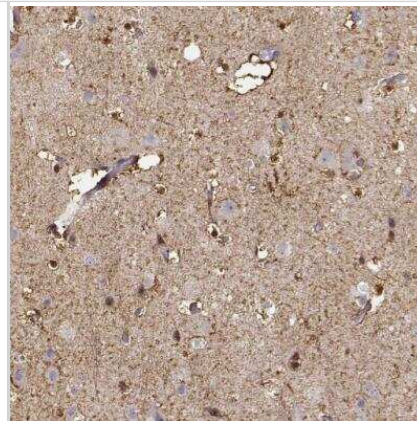
Immunohistochemistry-Paraffin: S100B Antibody [NBP1-87102] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



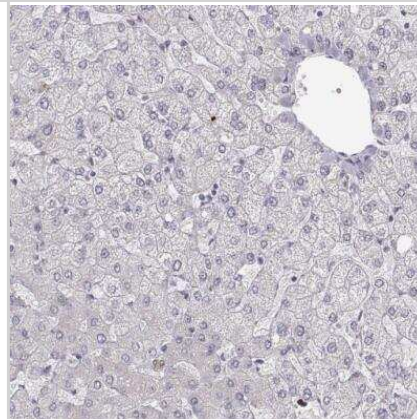
Immunohistochemistry-Paraffin: S100B Antibody [NBP1-87102] - Staining of human cerebellum shows moderate to strong nuclear positivity in cells in purkinje cell layer.



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

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)

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]

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

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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