

S100B Rabbit mAb

Catalog No.: A19108

Recombinant

6 Publications

Basic Information

Observed MW

11kDa

Calculated MW

11kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC50351

Background

The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21; however, this gene is located at 21q22.3. This protein may function in Neurite extension, proliferation of melanoma cells, stimulation of Ca²⁺ fluxes, inhibition of PKC-mediated phosphorylation, astrocytosis and axonal proliferation, and inhibition of microtubule assembly. Chromosomal rearrangements and altered expression of this gene have been implicated in several neurological, neoplastic, and other types of diseases, including Alzheimer's disease, Down's syndrome, epilepsy, amyotrophic lateral sclerosis, melanoma, and type I diabetes.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

6285

Swiss Prot

P04271

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-92 of human S100B (NP_006263.1).

Synonyms

NEF; S100; S100-B; S100beta; S100B

Contact

	400-999-6126
	cn.market@abclonal.com.cn
	www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

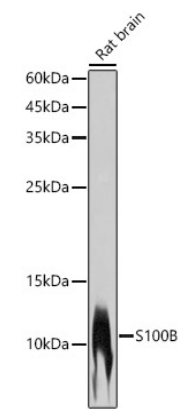
Affinity purification

Storage

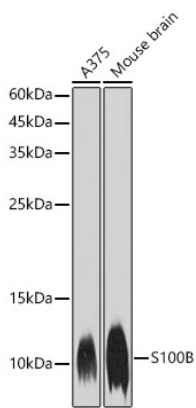
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

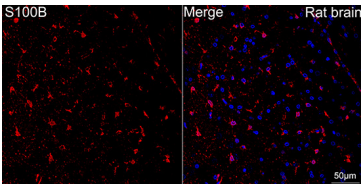
Validation Data



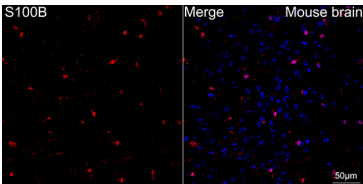
Western blot analysis of lysates from Rat brain, using S100B Rabbit mAb (A19108) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.



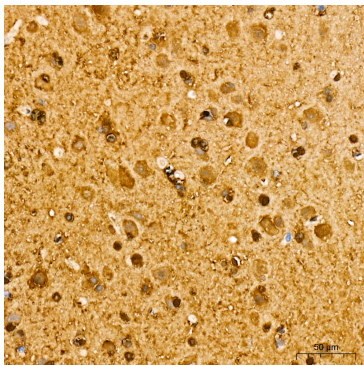
Western blot analysis of various lysates, using S100B Rabbit mAb (A19108) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.



Confocal imaging of paraffin-embedded rat brain using S100B Rabbit mAb (A19108, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue).
Objective: 40x. Perform microwave antigen retrieval with 0.01M citrate buffer (pH 6.0) prior to IF staining.

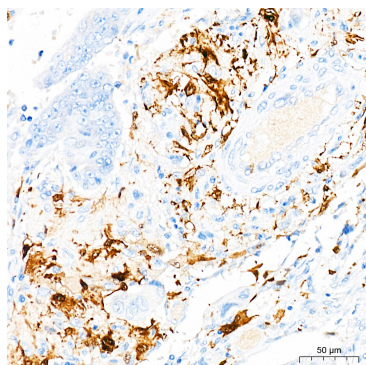


Confocal imaging of paraffin-embedded mouse brain using S100B Rabbit mAb (A19108, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue).
Objective: 40x. Perform microwave antigen retrieval with 0.01M citrate buffer (pH 6.0) prior to IF staining.

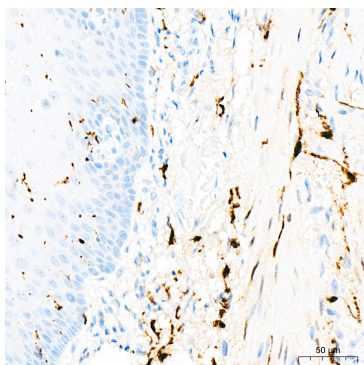


Immunohistochemistry analysis of S100B in paraffin-embedded human brain tissue using S100B Rabbit mAb (A19108) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

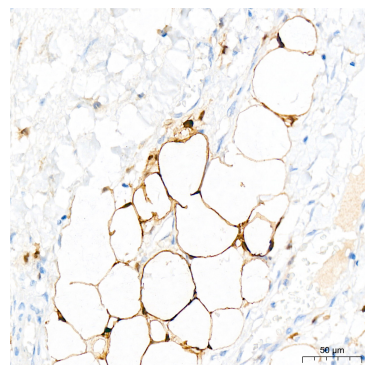
Validation Data



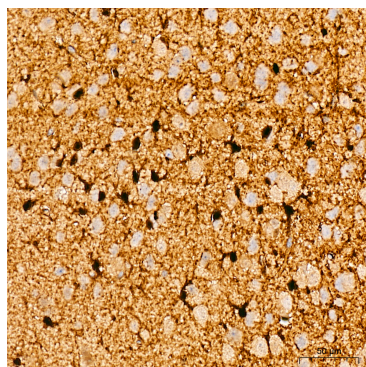
Immunohistochemistry analysis of S100B in paraffin-embedded human colon carcinoma tissue using S100B Rabbit mAb (A19108) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



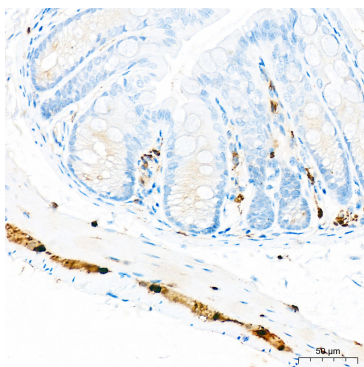
Immunohistochemistry analysis of S100B in paraffin-embedded human esophagus tissue using S100B Rabbit mAb (A19108) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



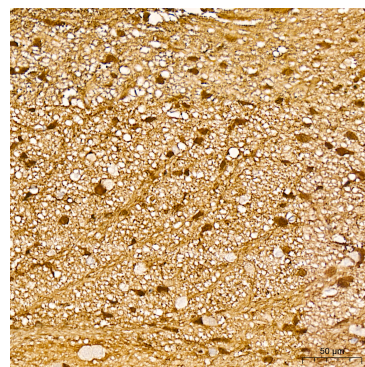
Immunohistochemistry analysis of S100B in paraffin-embedded human kidney tissue using S100B Rabbit mAb (A19108) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



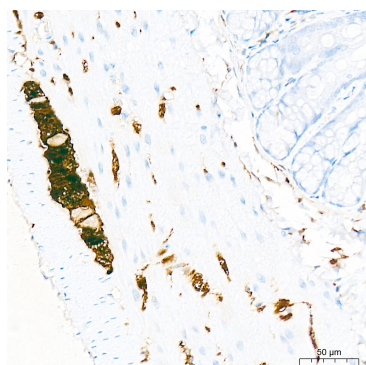
Immunohistochemistry analysis of S100B in paraffin-embedded mouse brain tissue using S100B Rabbit mAb (A19108) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



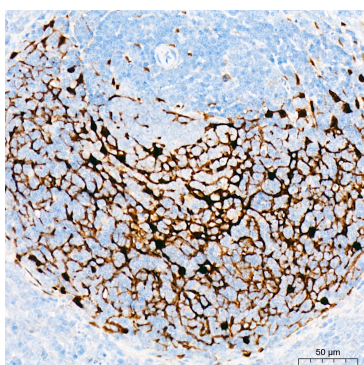
Immunohistochemistry analysis of S100B in paraffin-embedded mouse colon tissue using S100B Rabbit mAb (A19108) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of S100B in paraffin-embedded rat brain tissue using S100B Rabbit mAb (A19108) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of S100B in paraffin-embedded rat colon tissue using S100B Rabbit mAb (A19108) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of S100B in paraffin-embedded rat spleen tissue using S100B Rabbit mAb (A19108) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.