

Datasheet for ABIN676703  
**anti-S100B antibody (AA 31-92)**

5 Images

2 Publications

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## Overview

Quantity:	100 µL
Target:	S100B
Binding Specificity:	AA 31-92
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This S100B antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human S100B
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human, Mouse, Cow, Chicken, Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	S100B
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## Target Details

Alternative Name:	S100B ( <a href="#">S100B Products</a> )
Background:	<p>Synonyms: NEF, S1, S1-B, S1beta, Protein S1-B, S-1 protein beta chain, S-1 protein subunit beta, S1 calcium-binding protein B, S1B</p> <p>Background: Weakly binds calcium but binds zinc very tightly-distinct binding sites with different affinities exist for both ions on each monomer. Physiological concentrations of potassium ion antagonize the binding of both divalent cations, especially affecting high-affinity calcium-binding sites. Binds to and initiates the activation of STK38 by releasing autoinhibitory intramolecular interactions within the kinase. Interaction with AGER after myocardial infarction may play a role in myocyte apoptosis by activating ERK1/2 and p53/TP53 signaling. Could assist ATAD3A cytoplasmic processing, preventing aggregation and favoring mitochondrial localization. May mediate calcium-dependent regulation on many physiological processes by interacting with other proteins, such as TPR-containing proteins, and modulating their activity.</p>
Gene ID:	6285
UniProt:	<a href="#">P04271</a>
Pathways:	<a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Toll-Like Receptors Cascades</a> , <a href="#">Regulation of long-term Neuronal Synaptic Plasticity</a> , <a href="#">S100 Proteins</a>

## Application Details

Application Notes:	ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

## Handling

handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

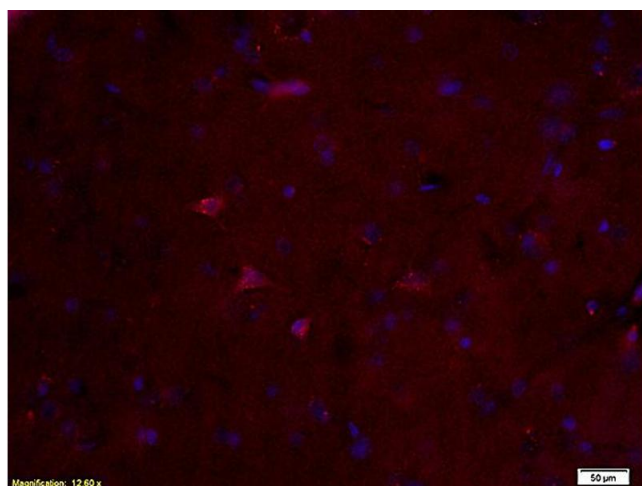
Expiry Date: 12 months

## Publications

Product cited in: Zhang, Li, Lu, Liu et al.: "Cerebral potential biomarkers discovery and metabolic pathways analysis of  $\alpha$ -synucleinopathies and the dual effects of *Acanthopanax senticosus* Harms on central nervous system through metabolomics ..." in: **Journal of ethnopharmacology**, Vol. 163, pp. 264-72, (2015) ([PubMed](#)).

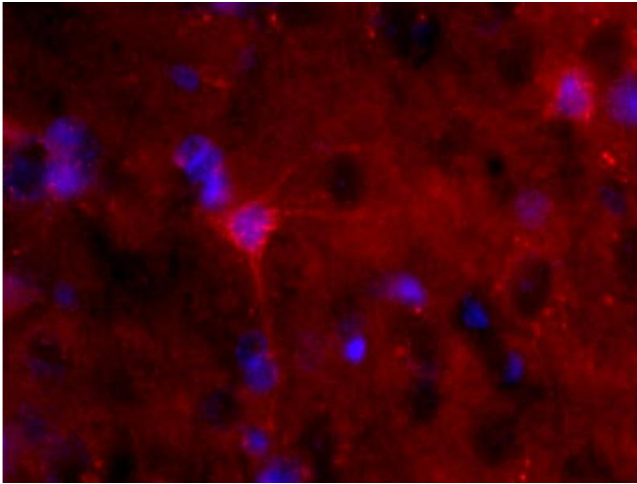
Li, Wei, Huang, Lan, Liu, Liu, Zhang, Zuo: "Nerve injury-related autoimmunity activation leads to chronic inflammation and chronic neuropathic pain." in: **Anesthesiology**, Vol. 118, Issue 2, pp. 416-29, (2013) ([PubMed](#)).

## Images



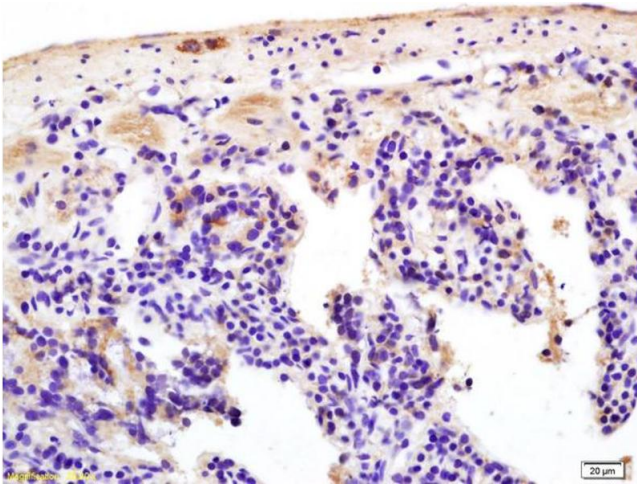
### Immunofluorescence

**Image 1.** Formalin-fixed and paraffin embedded rat brain labeled with Anti-S100B Polyclonal Antibody, Unconjugated (ABIN676703) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



#### Immunofluorescence

**Image 2.** Formalin-fixed and paraffin-embedded rat brain labeled with Anti-S100B Polyclonal Antibody, Unconjugated (ABIN676703) 1:200, overnight at 4°C, The secondary antibody was Goat Anti-Rabbit IgG, PE conjugated used at 1:200 dilution for 40 minutes at 37°C.



#### Immunohistochemistry

**Image 3.** Formalin-fixed and paraffin embedded mouse intestine labeled with Anti-S100B Polyclonal Antibody, Unconjugated (ABIN676703) at 1:200 followed by conjugation to the secondary antibody and DAB staining.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN676703.