

Datasheet for ABIN3021048
anti-S100B antibody (AA 1-92)

5 Images

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Overview

Quantity:	100 µL
Target:	S100B
Binding Specificity:	AA 1-92
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This S100B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-92 of human S100B (NP_006263.1).
Sequence:	MSELEKAMVA LIDVFHQYSG REGDKHKLKK SELKELINNE LSHFLEEIKE QEVVDKVMET LDNDGDGECD FQEFMAFVAM VTTACHEFFE HE
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	S100B
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Target Details

Alternative Name:	S100B (S100B Products)
Background:	<p>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.,NEF,S100,S100-B,S100beta,S100B,S100 beta,Epigenetics & Nuclear Signaling,Cell Biology & Developmental Biology,Apoptosis,Cell Cycle,Cell differentiation,Neuroscience,Cell Type Marker,Stem Cells,Neural Stem Cells,S100B</p>
Molecular Weight:	10 kDa
Gene ID:	6285
UniProt:	P04271
Pathways:	Regulation of Muscle Cell Differentiation , Positive Regulation of Immune Effector Process , Toll-Like Receptors Cascades , Regulation of long-term Neuronal Synaptic Plasticity , S100 Proteins

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200,IP,1:50 - 1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles

Handling

Storage: -20 °C

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

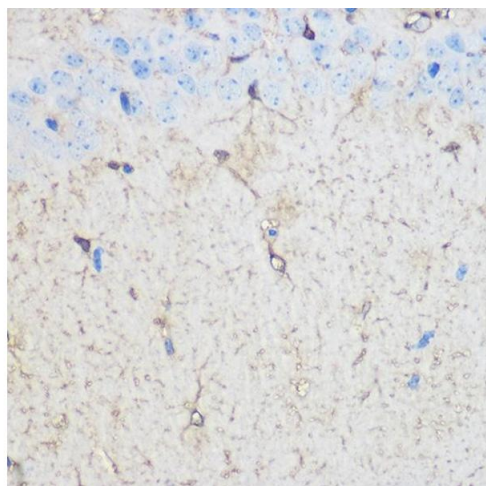
Publications

Product cited in: Zhi, Yang, Liu, Jiang, Pang: "Early missed abortion is associated with villous angiogenesis via the HIF-1 α /VEGF signaling pathway." in: **Archives of gynecology and obstetrics**, Vol. 298, Issue 3, pp. 537-543, (2018) ([PubMed](#)).

Chen, Yu, Yuan, Zhang, Fan, Yuan, Zhang, Yao: "Enriched housing promotes post-stroke functional recovery through astrocytic HMGB1-IL-6-mediated angiogenesis." in: **Cell death discovery**, Vol. 3, pp. 17054, (2017) ([PubMed](#)).

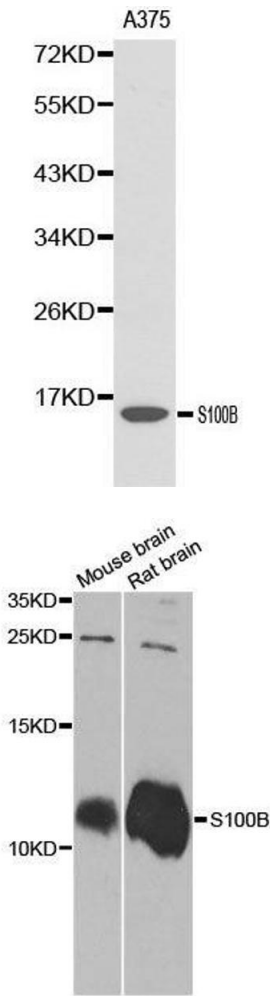
Yin, Zhao, Li, Yan, Zhou, Chen, Wang: "miR-320a mediates doxorubicin-induced cardiotoxicity by targeting VEGF signal pathway." in: **Aging**, Vol. 8, Issue 1, pp. 192-207, (2016) ([PubMed](#)).

Images



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded Mouse brain using S100B Rabbit pAb (ABIN3021047, ABIN3021048, ABIN3021049, ABIN1513496 and ABIN6213928) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of A375 cell lysate using S100B antibody.

Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using S100B antibody.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3021048.