

Product datasheet

Anti-S100 alpha antibody [2C8B8] ab52271

[3 Images](#)

Overview

| | |
|----------------------------|---|
| Product name | Anti-S100 alpha antibody [2C8B8] |
| Description | Mouse monoclonal [2C8B8] to S100 alpha |
| Host species | Mouse |
| Tested applications | Suitable for: WB, IHC-P |
| Species reactivity | Reacts with: Human, Recombinant fragment |
| Immunogen | Ni-NTA purified truncated recombinant S100A expressed in E. Coli |
| Positive control | Human brain, human lymphoid follicle tissue. |
| General notes | <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p> |

Properties

| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
| Storage buffer | Preservative: 0.05% Sodium azide Constituent: PBS |
| Purity | Protein G purified |
| Purification notes | Purified from tissue culture supernatant. |
| Clonality | Monoclonal |
| Clone number | 2C8B8 |
| Isotype | IgG1 |

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab52271 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|--|
| WB | | Use at an assay dependent concentration. Predicted molecular weight: 10 kDa. |
| IHC-P | | Use at an assay dependent concentration. |

Target

Function

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.

Tissue specificity

Highly prevalent in heart. Also found in lesser quantities in skeletal muscle and brain.

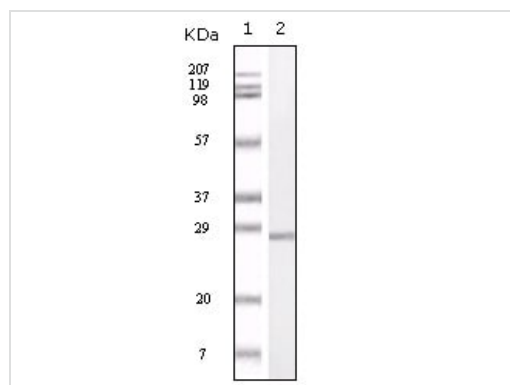
Sequence similarities

Belongs to the S-100 family.
Contains 2 EF-hand domains.

Cellular localization

Cytoplasm.

Images



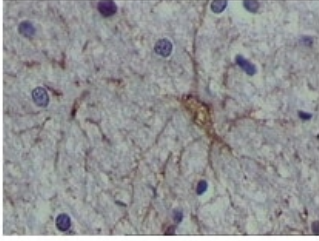
Western blot - Anti-S100 alpha antibody [2C8B8] (ab52271)

All lanes : Anti-S100 alpha antibody [2C8B8] (ab52271)

Lane 1 : Molecular weight markers

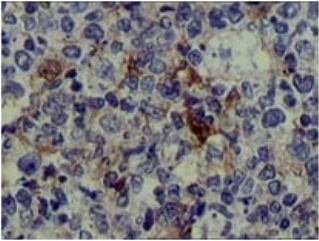
Lane 2 : Truncated S100A recombinant protein

Predicted band size: 10 kDa



Ab52271 staining human brain tissue; paraffin embedded.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-S100 alpha antibody [2C8B8] (ab52271)



Ab52271 staining Human lymphoid follicle tissue; paraffin embedded.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-S100 alpha antibody [2C8B8] (ab52271)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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