

Product datasheet

Anti-S100 antibody - Astrocyte Marker, prediluted ab948

1 References [画像数 1](#)

製品の概要

製品名	Anti-S100 antibody - Astrocyte Marker, prediluted
製品の詳細	Rabbit polyclonal to S100 - Astrocyte Marker, prediluted
由来種	Rabbit
特異性	This antibody reacts with cow S-100 protein A and B. It shows strong cross reactivity with human S-100 A and B. In the brain, it labels glial and ependymal cells. Melanocytes and Langerhans cells of the skin are also stained with this antibody.
アプリケーション	適用あり: IHC-P, IHC-Fr
種交差性	交差種: Cow, Human
免疫原	Affinity purified S-100 protein isolated from cow brain.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	Preservative: 0.05% Sodium Azide Constituents: Inert stabilizer
精製度	Protein A purified
ポリ/モノ	ポリクローナル
ミエローマ	unknown
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab948** in the following tested applications.

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

アプリケーション	Abreviews	特記事項
IHC-P		
IHC-Fr		

追加情報

IHC-P: Use at a concentration of 4 µg/ml.

IHC-Fr: Use at an assay dependent dilution.

This antibody has been pretitered and quality controlled to work on formalin-fixed paraffin-embedded as well as acetone fixed cryostat tissue sections.

No further titration is required.

We suggest an incubation period of 30-60 minutes at room temperature.

However, depending upon the fixation conditions and the staining system employed, optimal incubation conditions should be determined by the user.

Proteolytic digestion of tissue section is required prior to staining.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

ターゲット情報

機能

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.

組織特異性

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

配列類似性

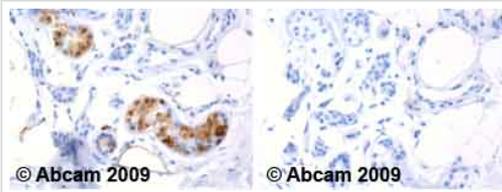
Belongs to the S-100 family.

Contains 2 EF-hand domains.

細胞内局在

Cytoplasm.

画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-S100 antibody - Astrocyte Marker, prediluted (ab948)

Ab948 staining human normal skin. Staining is localised to nuclear and cytoplasmic compartments.

Left panel: with primary antibody at 4 ug/ml.

Right panel: isotype control.

Sections were stained using an automated system DAKO Autostainer Plus , at room temperature. Sections were rehydrated and antigen retrieved with the Dako 3-in-1 antigen retrieval buffer citrate pH6 in a DAKO PT Link. Slides were peroxidase blocked in 3% H₂O₂ in methanol for 10 minutes. They were then blocked with Dako Protein block for 10 minutes (containing casein 0.25% in PBS) then incubated with primary antibody for 20 minutes and detected with Dako Envision Flex amplification kit for 30 minutes. Colorimetric detection was completed with diaminobenzidine for 5 minutes. Slides were counterstained with Haematoxylin and coverslipped under DePeX. Please note that for manual staining we recommend to optimize the primary antibody concentration and incubation time (overnight incubation), and amplification may b

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