abcam

Product datasheet

Anti-S100 alpha antibody [EPR5251] ab109384

リコンビナント   RabMAb
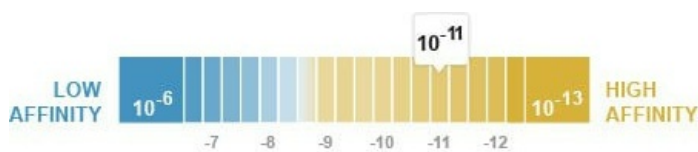
画像数 5

製品の概要

製品名	Anti-S100 alpha antibody [EPR5251]
製品の詳細	Rabbit monoclonal [EPR5251] to S100 alpha
由来種	Rabbit
アプリケーション	**適用あり:** WB, ICC/IF
	適用なし: IHC-P
種交差性	**交差種:** Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: kidney, C2C12, mouse kidney, Human brain, HT-1080 and mouse heart lysate IF: HeLa cells
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information **see here**.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
解離定数（K_D値）	$K_D = 5.00 \times 10^{-11}$ M

Learn more about K_D

バッファー	pH: 7.20
	Preservative: 0.01% Sodium azide
	Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture

		supernatant
精製度		Protein A purified
ポリ/モノ		モノクローナル
クローン名		EPR5251
アイソタイプ		IgG

アプリケーション

The Abpromise guarantee　　　<u>Abpromise保証は、</u>次のテスト済みアプリケーションにおけるab109384の使用に適用されます
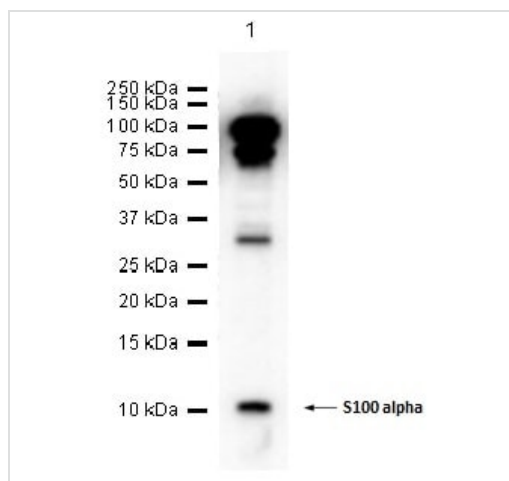
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/10000. Predicted molecular weight: 11 kDa.
ICC/IF		1/100 - 1/250.

追加情報	Is unsuitable for IHC-P.

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

Western blot - Anti-S100 alpha antibody [EPR5251] (ab109384)

Anti-S100 alpha antibody [EPR5251] (ab109384) at 1/1000 dilution + C2C12 (Mouse myoblasts myoblast) whole cell lysate at 20 µg
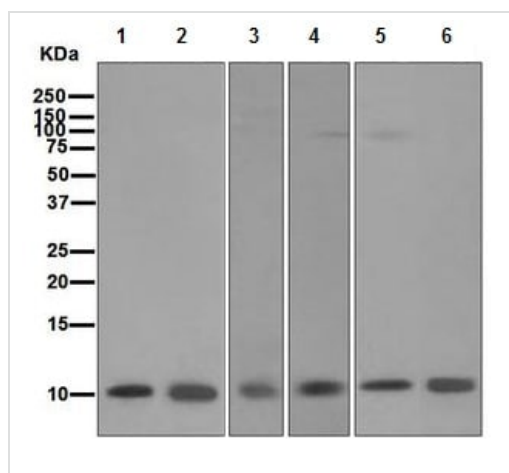
Secondary

Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 11 kDa

Observed band size: 11 kDa

Exposure time: 60 seconds

Blocking and diluting buffer and concentration: 5% NFDM /TBST.

Western blot - Anti-S100 alpha antibody [EPR5251] (ab109384)

All lanes : Anti-S100 alpha antibody [EPR5251] (ab109384) at 1/1000 dilution

Lane 1 : Rat kidney tissue lysate

Lane 2 : C2C12 cell lysate
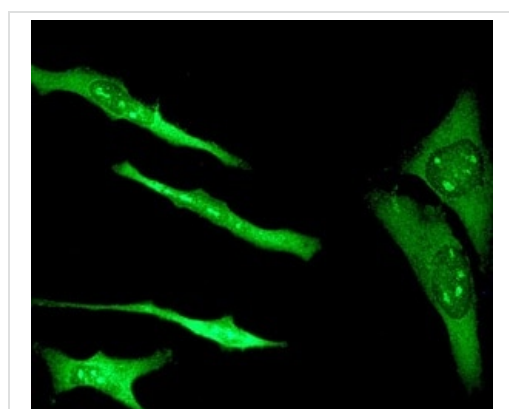
Lane 3 : Mouse kidney tissue lysate

Lane 4 : Human brain lysate

Lane 5 : HT-1080 lysate
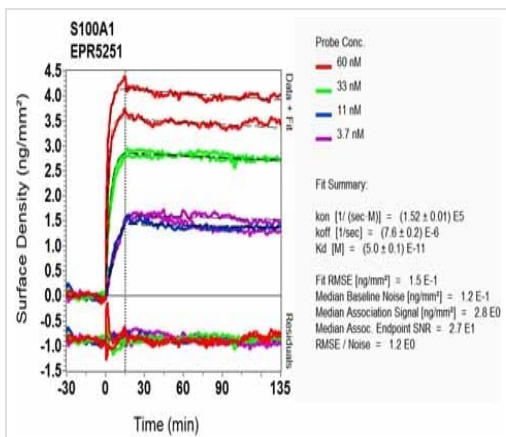
Lane 6 : Mouse heart tissue lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 11 kDa

Immunocytochemistry/ Immunofluorescence - Anti-S100 alpha antibody [EPR5251] (ab109384)

ab109384, at a 1/100 dilution staining S100 alpha in HeLa cells

OI-RD Scanning - Anti-S100 alpha antibody [EPR5251] (ab109384)

Equilibrium disassociation constant (K_D)

Learn more about K_D

Click here to learn more about K_D

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-S100 alpha antibody [EPR5251] (ab109384)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- 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

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.co.jp/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors