




Anti-S100A9 antibody ab81522

1 References [画像数 5](#)

製品の概要

製品名	Anti-S100A9 antibody
製品の詳細	Goat polyclonal to S100A9
由来種	Goat
アプリケーション	適用あり: WB, ICC, IHC-P, Flow Cyt (Intra)
種交差性	交差種: Human 交差が予測される動物種: Rabbit, Cow 
免疫原	Synthetic peptide: C-DTNADKQLSFEEF , corresponding to internal sequence amino acids 67-79 of Human S100A9 according to NP_002956.1 <div>  Run BLAST with  Run BLAST with </div>
ポジティブ・コントロール	Flow Cyt (Intra): MCF7 cells.
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, 0.5% Tris buffered saline
精製度	Immunogen affinity purified
特記事項 (精製)	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

ポリ/モノ
アイソタイプ

ポリクローナル
IgG

アプリケーション

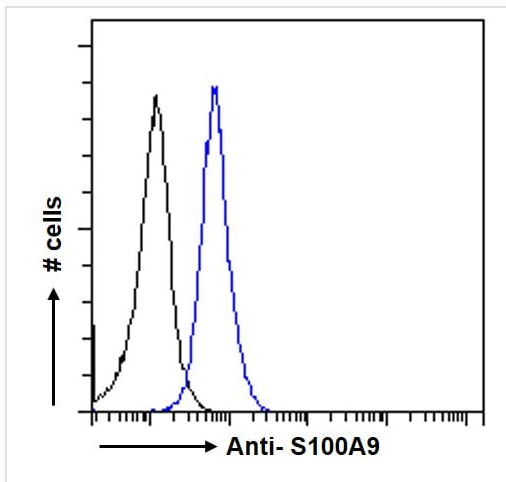
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab81522の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 0.5 - 2 µg/ml. Predicted molecular weight: 13 kDa. 1 hour primary incubation is recommended for this product.
ICC		Use a concentration of 10 µg/ml.
IHC-P		Use a concentration of 2.5 µg/ml.
Flow Cyt (Intra)		Use a concentration of 10 µg/ml.

ターゲット情報

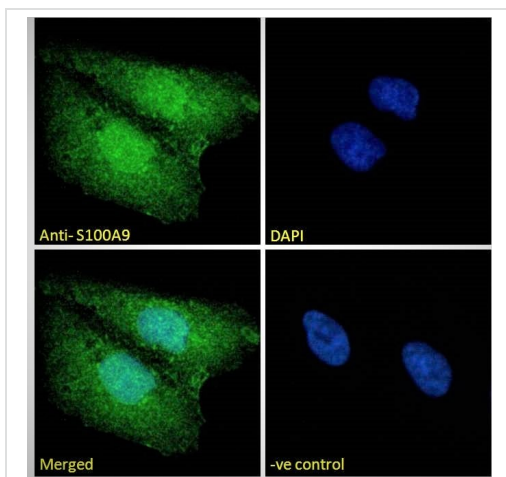
機能	Calcium-binding protein. Has antimicrobial activity towards bacteria and fungi. Important for resistance to invasion by pathogenic bacteria. Up-regulates transcription of genes that are under the control of NF-kappa-B. Plays a role in the development of endotoxic shock in response to bacterial lipopolysaccharide (LPS) (By similarity). Promotes tubulin polymerization when unphosphorylated. Promotes phagocyte migration and infiltration of granulocytes at sites of wounding. Plays a role as a pro-inflammatory mediator in acute and chronic inflammation and up-regulates the release of IL8 and cell-surface expression of ICAM1. Extracellular calprotectin binds to target cells and promotes apoptosis. Antimicrobial and proapoptotic activity is inhibited by zinc ions.
組織特異性	Expressed by macrophages in acutely inflamed tissues and in chronic inflammation. Detected in peripheral blood leukocytes, in neutrophils and granulocytes. Detected at sites of vascular inflammation (at protein level). Also expressed in epithelial cells constitutively or induced during dermatoses.
配列類似性	Belongs to the S-100 family. Contains 2 EF-hand domains.
翻訳後修飾	Phosphorylated. Phosphorylation inhibits activation of tubulin polymerization.
細胞内局在	Secreted. Cytoplasm. Cytoplasm > cytoskeleton. Cell membrane. Associates with tubulin filaments in activated monocytes. Targeted to the cell surface upon calcium influx. Released from blood leukocytes upon exposure to CSF2/GM-CSF, bacterial lipopolysaccharide (LPS) and during inflammatory processes. Serum levels are high in patients suffering from chronic inflammation.

画像



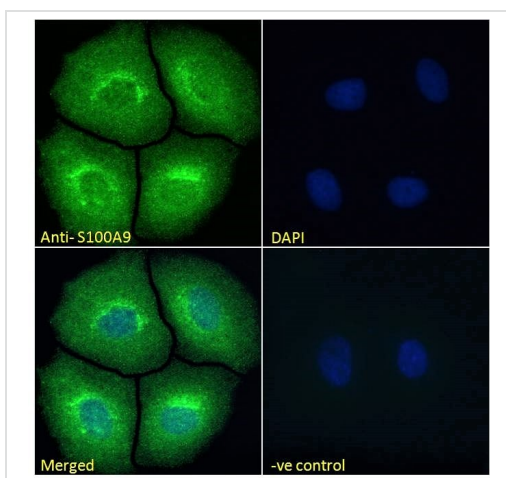
Flow Cytometry (Intracellular) - Anti-S100A9 antibody (ab81522)

Flow cytometric analysis of paraformaldehyde fixed MCF7 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr at 10ug/mL, followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



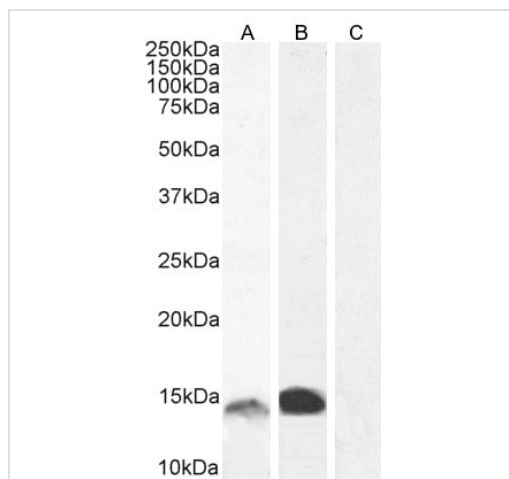
Immunocytochemistry - Anti-S100A9 antibody (ab81522)

Immunocytochemistry analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr at 10 ug/mL followed by Alexa Fluor 488 secondary antibody at 2 ug/mL, showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG at 10ug/mL, followed by Alexa Fluor 488 secondary antibody at 2ug/mL.



Immunocytochemistry - Anti-S100A9 antibody (ab81522)

Immunocytochemistry analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr at 10 ug/mL followed by Alexa Fluor 488 secondary antibody at 2 ug/mL, showing cytoplasmic and nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG at 10 ug/mL followed by Alexa Fluor 488 secondary antibody at 2 ug/mL.



Western blot - Anti-S100A9 antibody (ab81522)

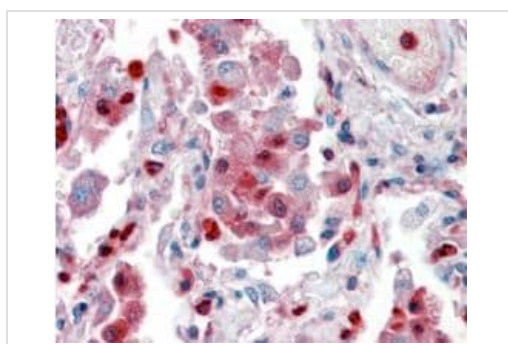
All lanes : Anti-S100A9 antibody (ab81522) at 1 µg/ml

Lane 1 : Human bone marrow

Lane 2 : Gastrointestinal cancer lysate

Lane 3 : negative control HepG2 lysate.

Predicted band size: 13 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-S100A9 antibody (ab81522)

Immunohistochemical analysis of paraffin embedded human lung tissue labelling S100A9 with ab81522 at 2.5µg/ml.

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