A26433

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S100A9 Rabbit mAb

Catalog No.: A26433 Recombinant 1 Publications

Basic Information

Observed MW
13 kDa

Calculated MW
13 kDa

Category
Monoclonal Antibody

Applications
WB,IHC-P,ELISA,IF-P

Cross-Reactivity
Human,Mouse

Background

Predicted to enable calcium ion binding activity and calcium-dependent protein binding activity. Involved in peptidyl-cysteine S-nitrosylation; positive regulation of blood coagulation; and regulation of translation. Acts upstream of or within several processes, including actin cytoskeleton reorganization; astrocyte development; and regulation of integrin biosynthetic process. Predicted to be located in cell junction; cytosol; and nucleoplasm. Predicted to be active in cytoplasm; extracellular space; and nucleus. Is expressed in several structures, including jaw; liver; otic capsule; skeleton; and spleen red pulp. Human ortholog(s) of this gene implicated in myocarditis. Orthologous to human S100A9 (S100 calcium binding protein A9).

Recommended Dilutions

WB	1:5000- 1:50000
IF-P	1:200 - 1:800
IHC-P	1:200 - 1:800
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
20202

Swiss Prot
P31725

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
p14; Cagb; GAGB; L1Ag; BEE22; MRP14; 60B8Ag

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃

Contact

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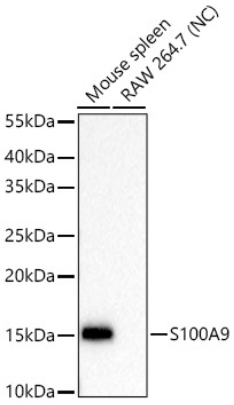
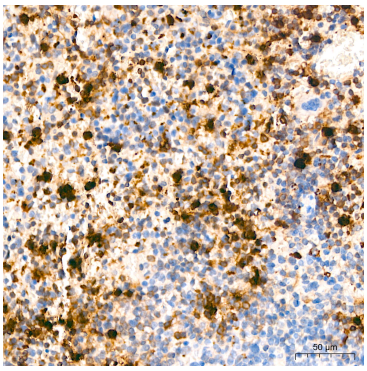
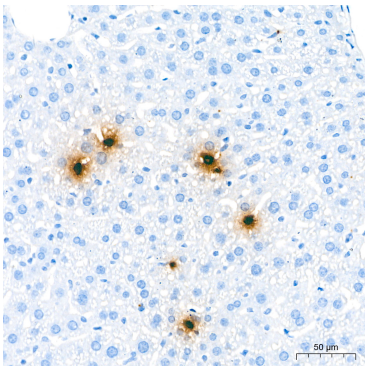
Validation Data



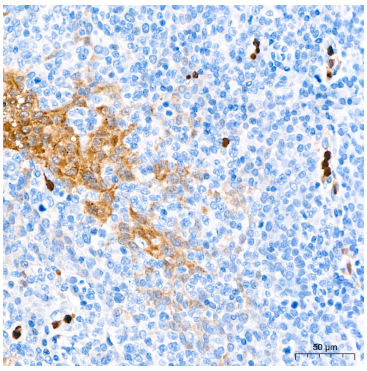
Western blot analysis of various lysates using S100A9 Rabbit mAb (A26433)at 1:5000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): RAW 264.7
Exposure time: 1s.



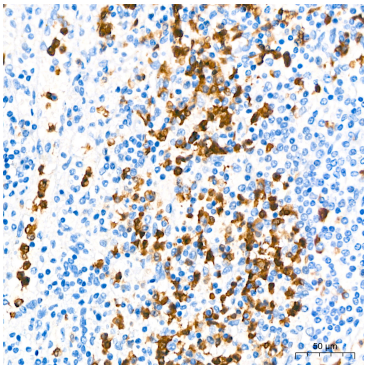
Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using S100A9 Rabbit mAb (A26433) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



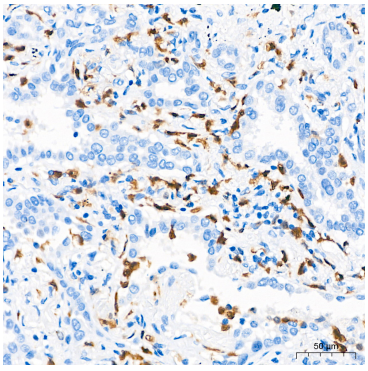
Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using S100A9 Rabbit mAb (A26433) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



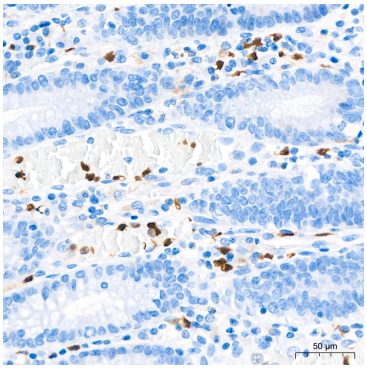
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using S100A9 Rabbit mAb (A26433) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human spleen tissue using S100A9 Rabbit mAb (A26433) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human lung tissue using S100A9 Rabbit mAb (A26433) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human colon tissue using S100A9 Rabbit mAb (A26433) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.

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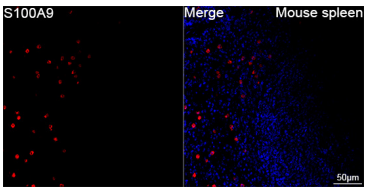
Validation Data



Confocal imaging of paraffin-embedded Mouse spleen tissue using S100A9 Rabbit mAb (A26433, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.