

S100a9 Rabbit pAb

Catalog No.: A25434

Basic Information

Observed MW

13kDa

Calculated MW

13kDa

Category

Primary antibody

Applications

WB, IHC-P, ELISA

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 1:500 - 1:1000

IHC-P 1:500 - 1:1000

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

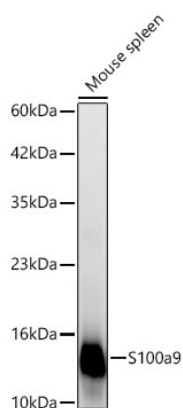
Affinity purification

Storage

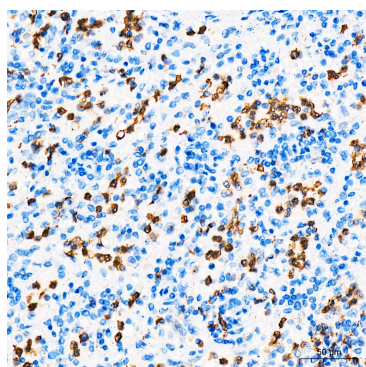
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

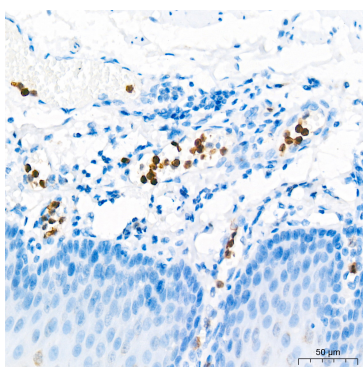
Validation Data



Western blot analysis of lysates from Mouse spleen using S100a9 Rabbit pAb (A25434) at 1:1000 dilution.
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).
Exposure time: 10s.



Immunohistochemistry analysis of paraffin-embedded Human spleen tissue using S100a9 Rabbit pAb (A25434) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using S100a9 Rabbit pAb (A25434) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.