

PAA012Mu01

Polyclonal Antibody to S100 Calcium Binding Protein (S100)

Organism Species: *Mus musculus* (Mouse)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Polyclonal antibody preparation

Host: Rabbit

Purification: Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Traits: Liquid

Concentration: 0.5mg/mL

UOM: 200μL

Cross Reactivity: Human; Rat; Bovine.

Applications: WB; IHC; ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant S100 (Gly2~Ser94) expressed in *E.coli*

Accession No.: RPA012Mu01

[APPLICATIONS]

Western blotting: 0.01-2μg/mL;

Immunohistochemistry: 5-20μg/mL;

Immunofluorescence: 5-20μg/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

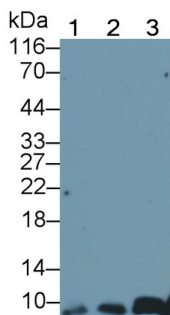
Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

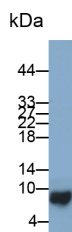
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

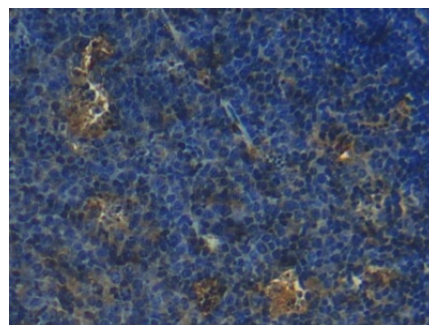
[IDENTIFICATION]



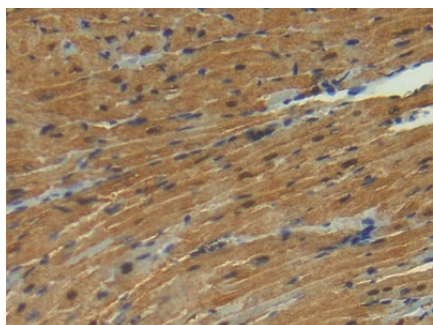
Western Blot; Sample: Lane1: Bovine Heart lysate; Lane2: Rat Heart lysate; Lane3: Mouse Heart lysate
Primary Ab: 0.5µg/ml Rabbit Anti-Mouse S100 Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



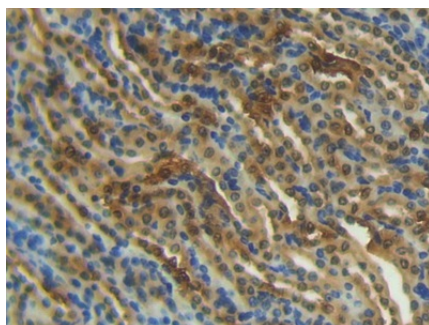
Western Blot; Sample: C2C12 cell lysate
Primary Ab: 0.5µg/ml Rabbit Anti-Mouse S100 Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



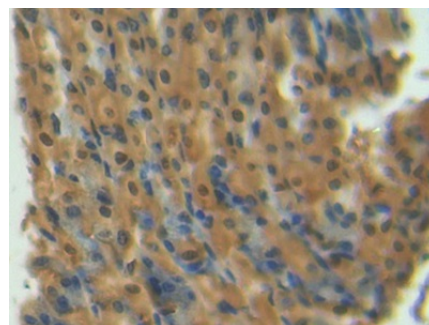
DAB staining on IHC-P;
Samples: Mouse Lymph node Tissue;
Primary Ab: 20µg/ml Rabbit Anti-Mouse S100 Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



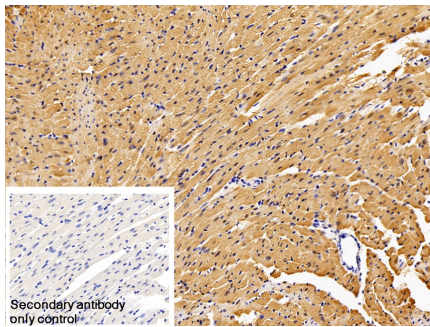
DAB staining on IHC-P;
Samples: Mouse Heart Tissue;
Primary Ab: 20µg/ml Rabbit Anti-Mouse S100 Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



DAB staining on IHC-P;
Samples: Mouse Kidney Tissue;
Primary Ab: 20µg/ml Rabbit Anti-Mouse S100 Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



DAB staining on IHC-P;
Samples: Mouse Stomach Tissue;
Primary Ab: 20µg/ml Rabbit Anti-Mouse S100 Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



DAB staining on IHC-P;

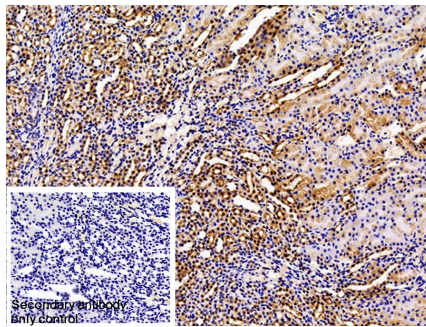
Sample: Mouse Cardiac Muscle Tissue

Primary Ab: 20µg/ml Rabbit Anti-Mouse
S100 Antibody

Control: Used PBS instead of primary
antibody

Second Ab: 2?g/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody

(Catalog: SAA544Rb19)



DAB staining on IHC-P;

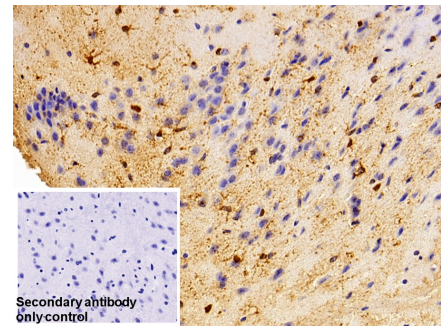
Sample: Mouse Kidney Tissue

Primary Ab: 20µg/ml Rabbit Anti-Mouse
S100 Antibody

Control: Used PBS instead of primary
antibody

Second Ab: 2?g/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody

(Catalog: SAA544Rb19)



DAB staining on IHC-P;

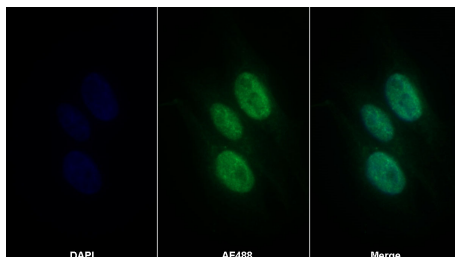
Sample: Mouse Cerebrum Tissue

Primary Ab: 10µg/ml Rabbit Anti-Mouse
S100 Antibody Control: Used PBS

instead of primary antibody

Second Ab: 2?g/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody

(Catalog: SAA544Rb19)



AF488 staining on IF;

Sample: HepG2 cell

Primary Ab: 20µg/ml Rabbit Anti-Mouse
S100 Antibody

Second Ab: 2?g/ml AF488-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody

(Catalog: SAA544Rb11)

[**IMPORTANT NOTE**]

The kit is designed for research use only, we will not be responsible for any issue if the kit was

used in clinical diagnostic or any other procedures.