

**MAC046Ra21**

**Monoclonal Antibody to S100 Calcium Binding Protein A10 (S100A10)**

**Organism Species: *Rattus norvegicus* (Rat)**

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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13th Edition (Revised in Aug, 2023)

### **[ PROPERTIES ]**

**Source:** Monoclonal antibody preparation

**Host:** Mouse

**Antibody isotype:** IgG1 Kappa

**Purification:** Protein A + Protein G affinity chromatography

**Clone number:** C3

**Traits:** Liquid

**Concentration:** 1mg/mL

**UOM:** 200μL

**Cross Reactivity:** Human;Mouse

**Applications:** WB; IHC; ICC/IF

### **[ IMMUNOGEN ]**

**Immunogen:** Recombinant S100A10 (Met1~Lys95) expressed in *E.coli*

**Accession No.:** RPC046Ra01

### **[ APPLICATIONS ]**

Western blotting: 0.01-2μg/mL;

Immunohistochemistry: 5-30μg/mL;

Immunofluorescence: 5-30μg/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.

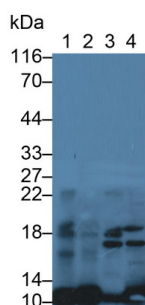
Store at 4°C for frequent use.

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

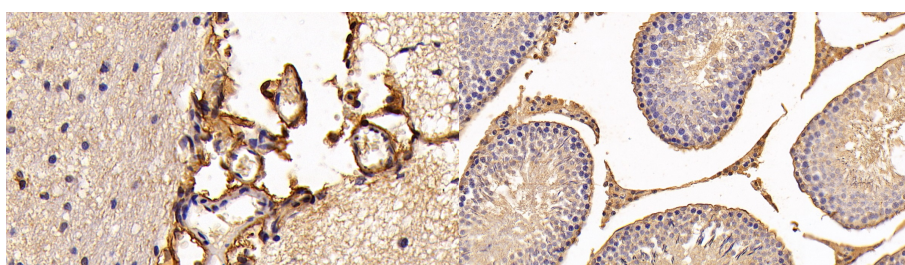
**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined

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 ]

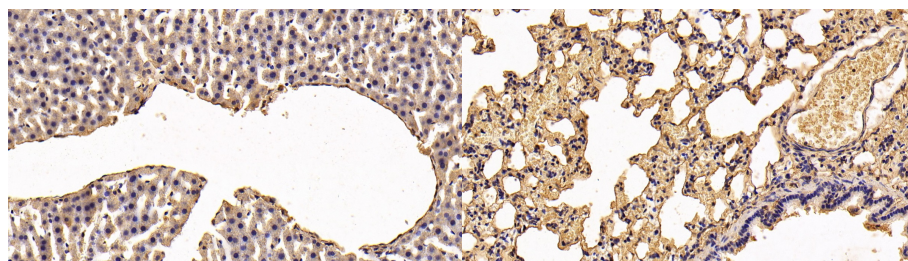


Western Blot; Sample: Lane1: Rat Lung lysate; Lane2: Rat Colon lysate; Lane3: Rat Cerebrum lysate; Lane4: A549 cell lysate Primary Ab: 0.4μg/ml Mouse Anti-Rat S100A10 Antibody Second Ab: 0.2μg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



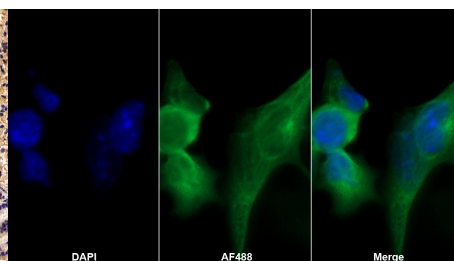
DAB staining on IHC-P; Sample: Rat Cerebrum Tissue; Primary Ab: 30μg/ml Mouse Anti-Rat S100A10 Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

DAB staining on IHC-P; Sample: Rat Testis Tissue; Primary Ab: 30μg/ml Mouse Anti-Rat S100A10 Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



DAB staining on IHC-P; Sample: Rat Liver Tissue; Primary Ab: 30μg/ml Mouse Anti-Rat S100A10 Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

DAB staining on IHC-P; Sample: Rat Lung Tissue; Primary Ab: 30μg/ml Mouse Anti-Rat S100A10 Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



AF488 staining on IF; Sample: Hepa1-6 cell Primary Ab: 20μg/ml Mouse Anti-Rat S100A10 Antibody Second Ab: 2μg/mL AF488-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu11)

**[ 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.