

PAB960Mu01

Polyclonal Antibody to Superoxide Dismutase 1 (SOD1)

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: 10µg(20µL)

Cross Reactivity: Human;Rat;Porcine

Applications: WB; IHC

[IMMUNOGEN]

Immunogen: Recombinant SOD1 (Ala2~Gln154) expressed in *E.coli*

Accession No.: RPB960Mu01

[APPLICATIONS]

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 5-20µg/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

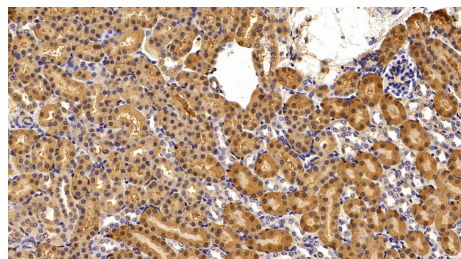
Store at 4°C for frequent use.

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

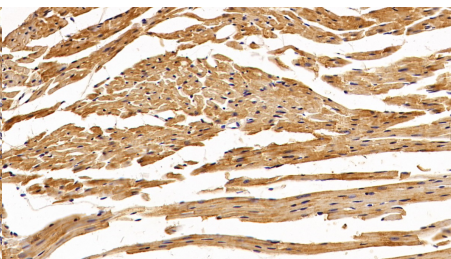
expiration date under appropriate storage condition.

[IDENTIFICATION]



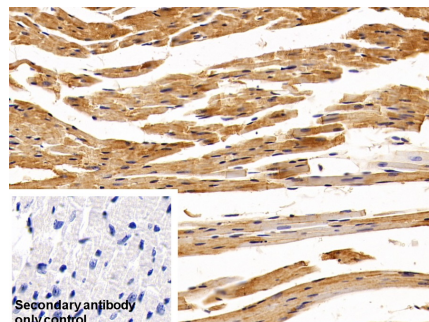
DAB staining on IHC-P; Sample: Mouse

Kidney Tissue; Primary Ab: 20ug/ml
Rabbit Anti-Mouse SOD1 Antibody
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody (Catalog: SAA544Rb19)



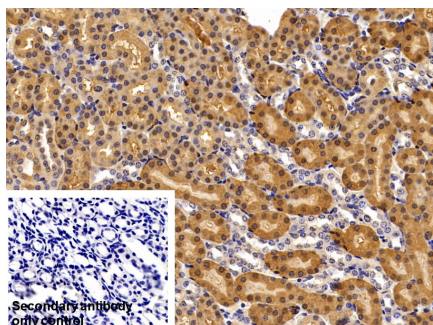
DAB staining on IHC-P;

Sample: Mouse Cardiac Muscle Tissue;
Primary Ab: 20ug/ml Rabbit Anti-Mouse
SOD1 Antibody
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



DAB staining on IHC-P;

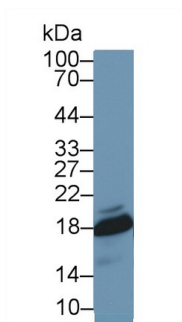
Sample: Mouse Cardiac Muscle Tissue
Primary Ab: 20µg/ml Rabbit Anti-Mouse
SOD1 Antibody
Control: Used PBS instead of primary
antibody
Second Ab: 2µg/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



DAB staining on IHC-P;

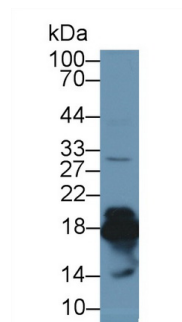
Sample: Mouse Kidney Tissue

Primary Ab: 20µg/ml Rabbit Anti-Mouse
SOD1 Antibody
Control: Used PBS instead of primary
antibody
Second Ab: 2µg/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody



Western Blot; Sample: Mouse Ovary
lysate;

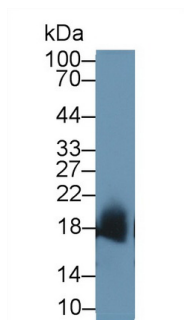
Primary Ab: 1µg/ml Rabbit Anti-Mouse
SOD1 Antibody
Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



Western Blot; Sample: Mouse Liver
lysate;

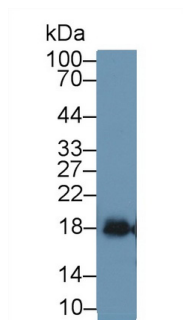
Primary Ab: 1µg/ml Rabbit Anti-Mouse
SOD1 Antibody
Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)

(Catalog: SAA544Rb19)



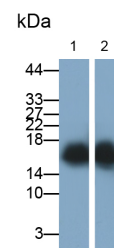
Western Blot; Sample: Mouse Uterus
lysate;

Primary Ab: 1µg/ml Rabbit Anti-Mouse
SOD1 Antibody
Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



Western Blot; Sample: Mouse Bladder
lysate;

Primary Ab: 1µg/ml Rabbit Anti-Mouse
SOD1 Antibody
Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



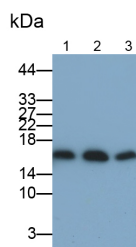
Western Blot; Samples: Lane1: Mouse
Cerebrum lysate; Lane2: Rat Cerebrum
lysate;

Primary Ab: 0.1µg/ml Rabbit Anti-
Mouse SOD1 Antibody
Second Ab: 0.2µg/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



Western Blot; Sample: Porcine Liver
lysate

Primary Ab: 0.1µg/ml Rabbit Anti-
Mouse SOD1 Antibody
Second Ab: 0.2µg/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



Western Blot; Samples: Lane1: HeLa
cell lysate; Lane2: Jurkat cell lysate;

Lane3: SH-SY5Y cell lysate;
Primary Ab: 0.1µg/ml Rabbit Anti-
Mouse SOD1 Antibody
Second Ab: 0.2µg/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)

[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.