

PAB960Bo01

Polyclonal Antibody to Superoxide Dismutase 1 (SOD1)

Organism Species: *Bos taurus*; Bovine (Cattle)

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: 100μL

Cross Reactivity: Human;Mouse;Rat;Porcine

Applications: WB; IHC

[IMMUNOGEN]

Immunogen: Recombinant SOD1 (Ala2~Lys152 (Accession # P00442)) expressed in *E.coli*

Accession No.: RPB960Bo01

[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]



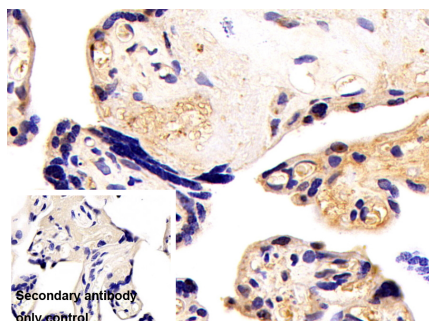
Western Blot; Sample: Mouse

Cerebrum lysate Primary Ab: 0.1µg/ml

Rabbit Anti-Bovine SOD1 Antibody

Second Ab: 0.2µg/ml HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal
Antibody (Catalog: SAA544Rb19)



DAB staining on IHC-P;

Sample: Human Placenta Tissue

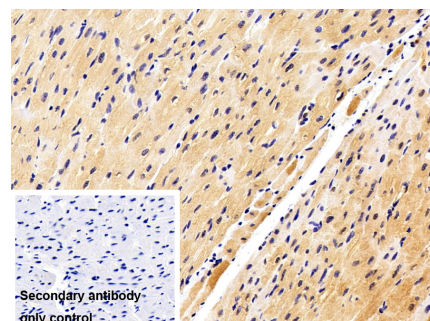
Primary Ab: 10µg/ml Rabbit Anti-Bovine
SOD1 Antibody

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: Porcine Cardiac Muscle

Tissue

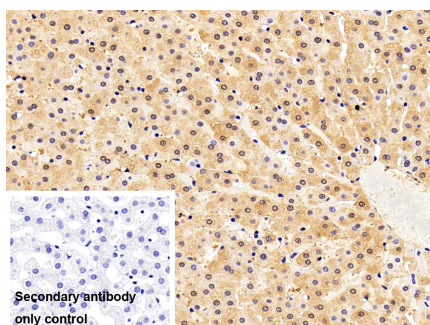
Primary Ab: 10µg/ml Rabbit Anti-Bovine
SOD1 Antibody

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;

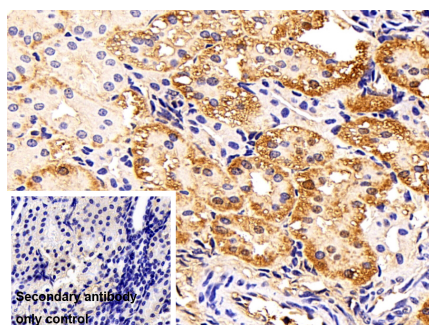
Sample: Porcine Liver Tissue

Primary Ab: 10µg/ml Rabbit Anti-Bovine
SOD1 Antibody

Control: Used PBS instead of primary
antibody

Second Ab: 2?g/ml HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal



DAB staining on IHC-P;

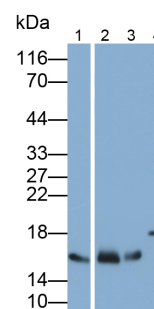
Sample: Porcine Kidney Tissue

Primary Ab: 10µg/ml Rabbit Anti-Bovine
SOD1 Antibody

Control: Used PBS instead of primary
antibody

Second Ab: 2?g/ml HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal



Western Blot; Samples: Lane1: Bovine

Heart lysate; Lane2: Bovine Liver

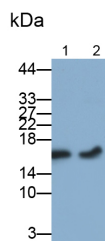
lysate; Lane3: Bovine Cerebrum lysate;
Lane4: Hela cell lysate;

Primary Ab: 0.1µg/ml Rabbit Anti-
Bovine SOD1 Antibody

Second Ab: 0.2?g/ml HRP-Linked

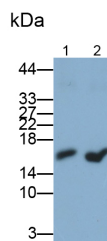
Caprine Anti-Rabbit IgG Polyclonal

Antibody
(Catalog: SAA544Rb19)



Western Blot; Samples: Lane1: Bovine Cerebrum lysate; Lane2: Bovine Kidney lysate;
Primary Ab: 0.1µg/ml Rabbit Anti-Bovine SOD1 Antibody
Second Ab: 0.2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)

Antibody
(Catalog: SAA544Rb19)



Western Blot; Samples: Lane1: Rat Cerebrum lysate; Lane2: Porcine Cerebrum lysate;
Primary Ab: 0.1µg/ml Rabbit Anti-Bovine SOD1 Antibody
Second Ab: 0.2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)

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.