

PAB083Mu01

Polyclonal Antibody to Superoxide Dismutase 2, Mitochondrial (SOD2)

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: 0.34mg/mL

UOM: 10µg(30µL)

Cross Reactivity: Human;Rat;Porcine

Applications: WB

[IMMUNOGEN]

Immunogen: Recombinant SOD2 (Lys25~Lys222) expressed in *E.coli*

Accession No.: RPB083Mu01

[APPLICATIONS]

Western blotting: 0.01-2µg/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]

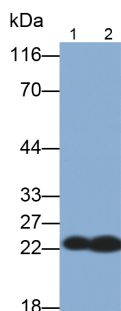
Storage: Avoid repeated freeze/thaw cycles.

Store at 4°C for frequent use.

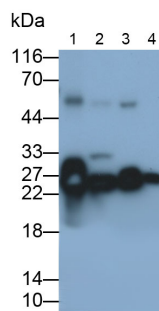
Aliquot and store at -20°C for 24 months.

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.

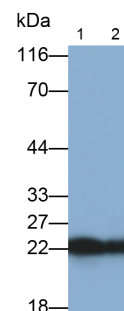
[IDENTIFICATION]



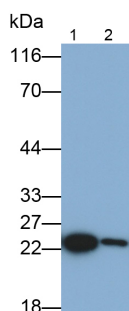
Western Blot; Samples: Lane1: Rat Heart lysate; Lane2: Rat Liver lysate;
Primary Ab: 0.2µg/ml Rabbit Anti-Mouse SOD2 Antibody
Second Ab: 0.2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



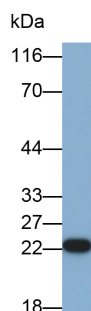
Western Blot; Samples: Lane1: Mouse Heart lysate; Lane2: Mouse Liver lysate; Lane3: Rat Cerebrum lysate; Lane4: HeLa cell lysate;
Primary Ab: 0.15µg/ml Rabbit Anti-Mouse SOD2 Antibody
Second Ab: 0.2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



Western Blot; Samples: Lane1: Porcine Liver lysate; Lane2: Porcine Cerebrum lysate;
Primary Ab: 0.2µg/ml Rabbit Anti-Mouse SOD2 Antibody
Second Ab: 0.2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



Western Blot; Samples: Lane1: HUH7 cell lysate; Lane2: HeLa cell lysate;
Primary Ab: 0.2µg/ml Rabbit Anti-Mouse SOD2 Antibody
Second Ab: 0.2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



Western Blot; Sample: NIH/3T3 cell lysate
Primary Ab: 0.2µg/ml Rabbit Anti-Mouse SOD2 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.