

PAA929Bo01

Polyclonal Antibody to Retinol Binding Protein 4 (RBP4)

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; Porcine; Caprine.

Applications: WB; IHC

[IMMUNOGEN]

Immunogen: Recombinant RBP4 (Glu1~Leu183) expressed in *E.coli*

Accession No.: RPA929Bo01

[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 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

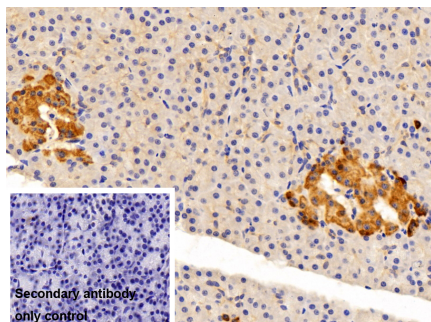
Store at 4°C for frequent use.

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]



DAB staining on IHC-P;

Sample: Porcine Pancreas Tissue

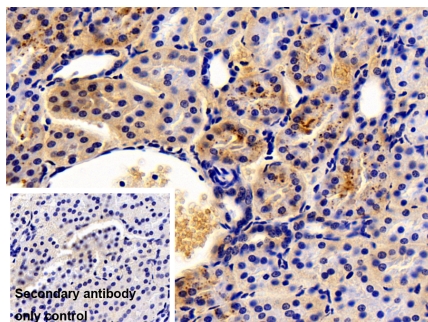
Primary Ab: 10µg/ml Rabbit Anti-Bovine RBP4 Antibody Control: Used

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 Kidney Tissue

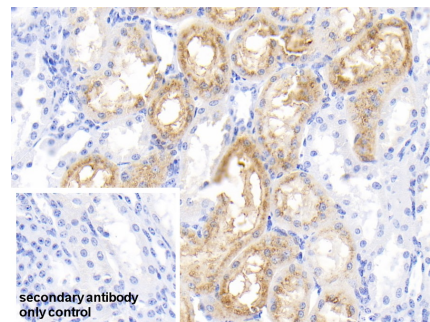
Primary Ab: 10µg/ml Rabbit Anti-Bovine RBP4 Antibody

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: Bovine Kidney Tissue

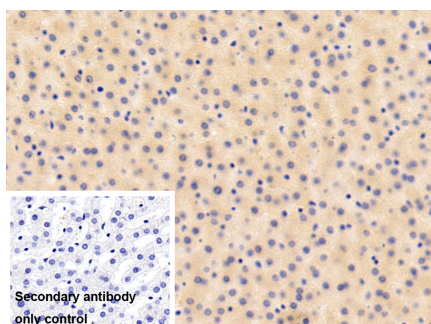
Primary Ab: 20µg/ml Rabbit Anti-Bovine RBP4 Antibody

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;

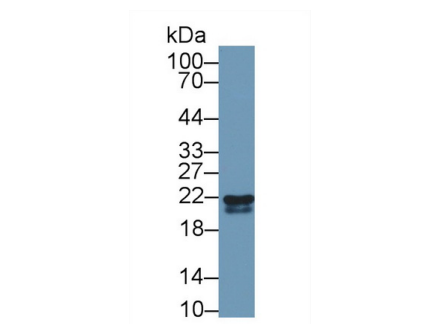
Sample: Porcine Liver Tissue

Primary Ab: 10µg/ml Rabbit Anti-Bovine RBP4 Antibody

Control: Used PBS instead of primary antibody

Second Ab: 2?g/ml HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal Antibody



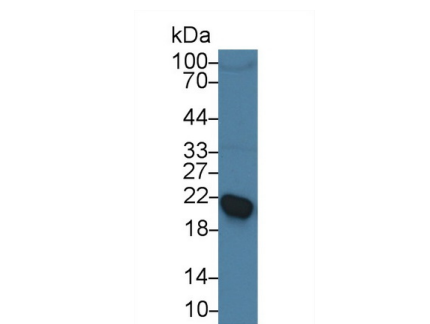
Western Blot; Sample: Bovine Kidney lysate;

Primary Ab: 1µg/ml Rabbit Anti-Bovine RBP4 Antibody

Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal

Antibody

(Catalog: SAA544Rb19)



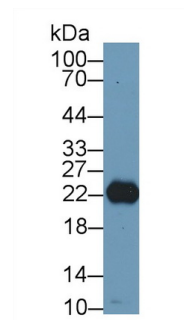
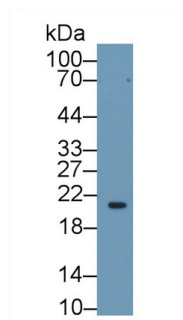
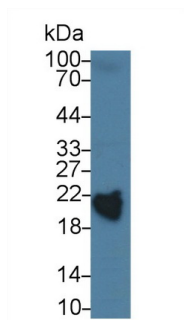
Western Blot; Sample: Bovine Serum;

Primary Ab: 1µg/ml Rabbit Anti-Bovine RBP4 Antibody

Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)

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Western Blot; Sample: Caprine Plasma; Western Blot; Sample: Human HepG2

Western Blot; Sample: Porcine Liver

Primary Ab: 1µg/ml Rabbit Anti-Bovine

cell lysate;

lysate;

RBP4 Antibody

Primary Ab: 1µg/ml Rabbit Anti-Bovine

Primary Ab: 1µg/ml Rabbit Anti-Bovine

Second Ab: 0.2µg/mL HRP-Linked

RBP4 Antibody

RBP4 Antibody

Caprine Anti-Rabbit IgG Polyclonal

Second Ab: 0.2µg/mL HRP-Linked

Second Ab: 0.2µg/mL HRP-Linked

Antibody

Caprine Anti-Rabbit IgG Polyclonal

Caprine Anti-Rabbit IgG Polyclonal

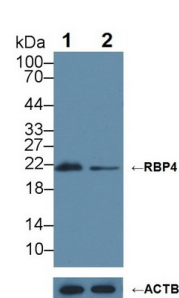
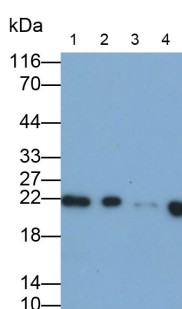
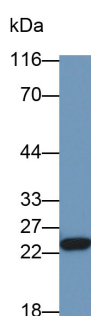
(Catalog: SAA544Rb19)

Antibody

Antibody

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Western Blot; Sample: Mouse Serum

Western Blot; Samples: Lane1: Bovine

Knockout Varification:

Primary Ab: 1µg/ml Rabbit Anti-Bovine

Liver lysate; Lane2: Bovine Serum;

Lane 1: Wild-type HepG2 cell lysate;

RBP4 Antibody

Lane3: Bovine Kidney lysate; Lane4:

Lane 2: RBP4 knockout HepG2 cell

Second Ab: 0.2µg/mL HRP-Linked

Porcine Serum;

lysate;

Caprine Anti-Rabbit IgG Polyclonal

Primary Ab: 0.1µg/ml Rabbit Anti-

Predicted MW: 21kDa

Antibody

Bovine RBP4 Antibody

Observed MW: 21kDa

(Catalog: SAA544Rb19)

Second Ab: 0.2µg/ml HRP-Linked

Primary Ab: 1µg/ml Rabbit Anti-Bovine

Caprine Anti-Rabbit IgG Polyclonal

RBP4 Antibody

Second Ab: 0.2µg/mL HRP-Linked

Antibody

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.