

PAA476Hu01

Polyclonal Antibody to Cystatin A (CSTA)

Organism Species: *Homo sapiens (Human)*

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: 10µL

Cross Reactivity: Porcine

Applications: WB; IHC; ICC; IP; FCM

[IMMUNOGEN]

Immunogen: Recombinant CSTA (Met1~Phe98 (Accession # P01040)) expressed in *E.coli*

Accession No.: RPA476Hu01

[APPLICATIONS]

Western blotting: 0.01-2?g/mL

Immunohistochemistry: 5-20?g/mL

Immunocytochemistry: 5-20?g/mL

Flow cytometry:20?g/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.

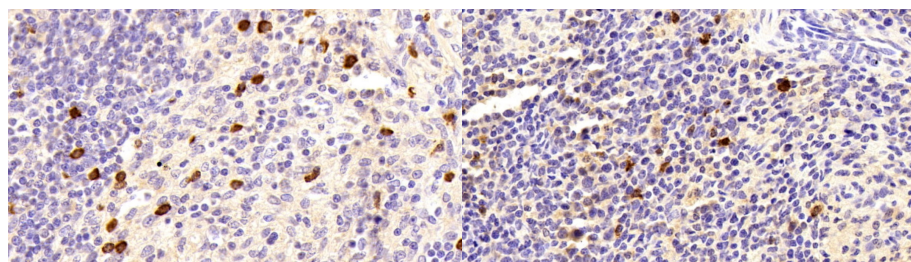
Store at 4°C for frequent use.

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: Human Lymph node Tissue;

Primary Ab: 10ug/ml Rabbit Anti-Human CSTA Antibody

Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)

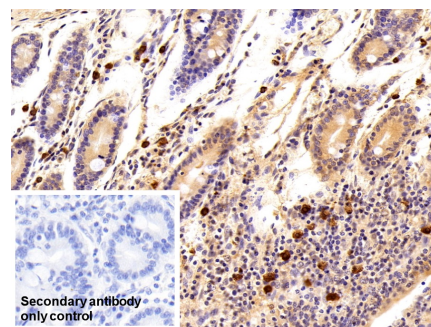
DAB staining on IHC-P;

Sample: Human Spleen Tissue;

Primary Ab: 10ug/ml Rabbit Anti-Human CSTA Antibody

Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)



DAB staining on IHC-P;

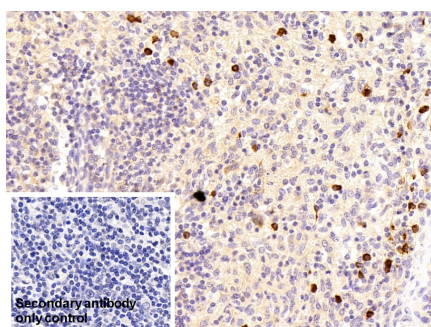
Sample: Human Small intestine Tissue

Primary Ab: 10µg/ml Rabbit Anti-Human CSTA Antibody

Control: Used PBS instead of primary antibody

Second Ab: 2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)

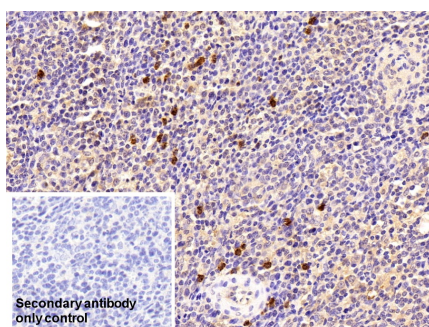


DAB staining on IHC-P;

Sample: Human Lymph node Tissue

Primary Ab: 10µg/ml Rabbit Anti-Human CSTA Antibody

Control: Used PBS instead of primary antibody

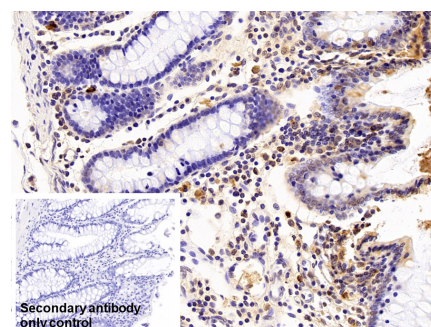


DAB staining on IHC-P;

Sample: Human Spleen Tissue

Primary Ab: 10µg/ml Rabbit Anti-Human CSTA Antibody

Control: Used PBS instead of primary antibody



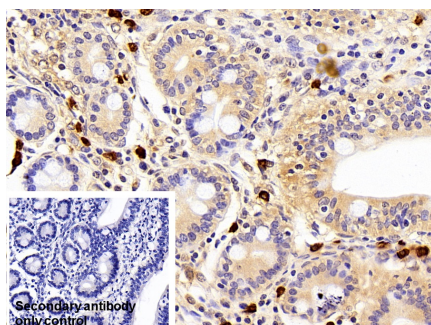
DAB staining on IHC-P;

Sample: Porcine Colon Tissue

Primary Ab: 10µg/ml Rabbit Anti-Human CSTA Antibody

Control: Used PBS instead of primary antibody

Second Ab: 2µg/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



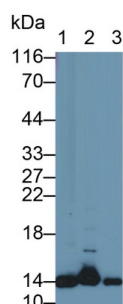
DAB staining on IHC-P;

Sample: Porcine Small intestine Tissue

Primary Ab: 10µg/ml Rabbit Anti-
Human CSTA Antibody

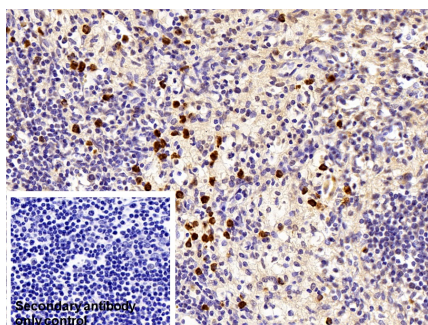
Control: Used PBS instead of primary
antibody

Second Ab: 2?g/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



Western Blot; Sample: Lane1: Human
Saliva; Lane2: Porcine Skin lysate;
Lane3: A431 cell lysate
Primary Ab: 0.1µg/ml Rabbit Anti-
Human CSTA Antibody
Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal

Second Ab: 2µg/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



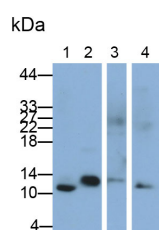
DAB staining on IHC-P;

Sample: Porcine Lymph node Tissue

Primary Ab: 10µg/ml Rabbit Anti-
Human CSTA Antibody

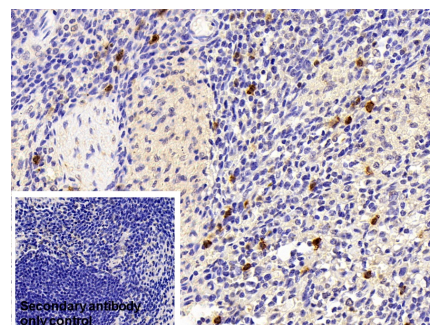
Control: Used PBS instead of primary
antibody

Second Ab: 2?g/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



Western Blot; Samples: Lane1: Human
Saliva; Lane2: Porcine Skin lysate;
Lane3: Rat Skin lysate; Lane4: A431
cell lysate;
Primary Ab: 0.1µg/ml Rabbit Anti-
Human CSTA Antibody
Second Ab: 0.2?g/ml HRP-Linked

Second Ab: 2?g/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
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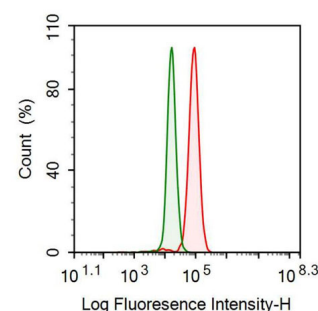
DAB staining on IHC-P;

Sample: Porcine Spleen Tissue

Primary Ab: 10µg/ml Rabbit Anti-
Human CSTA Antibody

Control: Used PBS instead of primary
antibody

Second Ab: 2?g/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



Human THP1 cell was fixed with 2%
paraformaldehyde (10 min) ,
permeabilised with 0.1% BSA-Triton
X-100, then stained with 20µg/ml rabbit
Anti-human CSTA Polyclonal Antibody
(Catalog PAA476Hu01, red histogram)
or Isotype control antibody (Catalog

Antibody (Catalog: SAA544Rb19)	Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)	IS067-Rb01, green histogram), followed by 1µg/ml FITC-conjugated Anti-rabbit IgG Secondary Antibody (Catalog SAA544Rb18).
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[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.