

PAF822Hu01

Polyclonal Antibody to Phosphatase And Tensin Homolog (PTEN)

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: 100µg(200µL)

Cross Reactivity: Rat;Cavia;Canine;Porcine;Bovine;Caprine;Ovine;Equine;Gallus

Applications: WB; IHC; FCM

[IMMUNOGEN]

Immunogen: Recombinant PTEN (Thr2~Val403) expressed in *E.coli*

Accession No.: RPF822Hu01

[APPLICATIONS]

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 5-20µg/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.

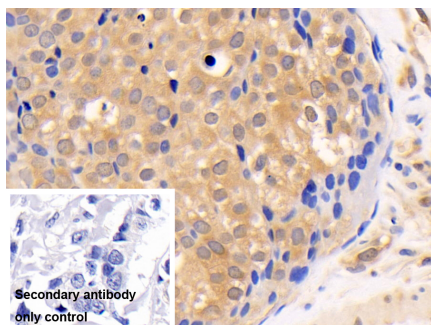
Store at 4°C for frequent use.

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:

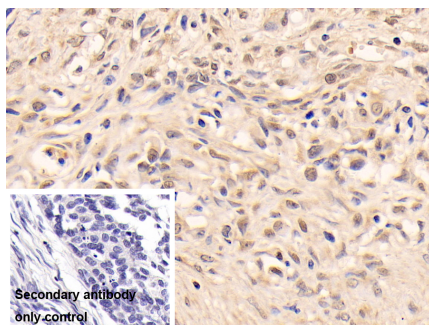
Human Breast cancer Tissue Primary

Ab: 20 μ g/ml Rabbit Anti-Human PTEN

Antibody Control: Used PBS instead of primary antibody Second Ab: 2 μ g/ml HRP-Linked Caprine Anti-Rabbit IgG

Polyclonal Antibody (Catalog:

SAA544Rb19)



DAB staining on IHC-P;

Sample: Human Ovarian cancer Tissue

Primary Ab: 20 μ g/ml Rabbit Anti-

Human PTEN Antibody

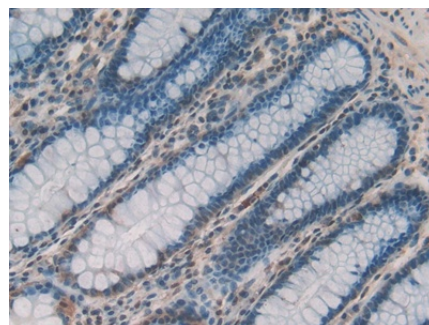
Control: Used PBS instead of primary antibody

Second Ab: 2 μ g/ml HRP-Linked

Caprine Anti-Rabbit IgG Polyclonal

Antibody

(Catalog: SAA544Rb19)



DAB staining on IHC-P;

Samples: Human Rectum Tissue;

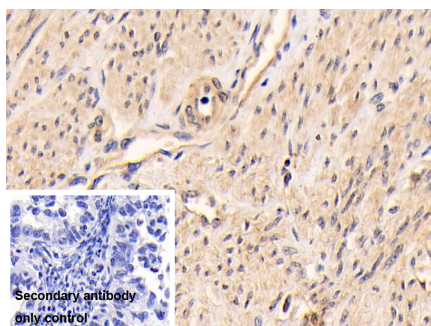
Primary Ab: 20 μ g/ml Rabbit Anti-

Human PTEN Antibody

Second Ab: 2 μ g/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal

Antibody

(Catalog: SAA544Rb19)



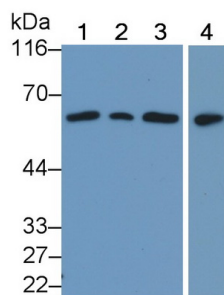
DAB staining on IHC-P;

Sample: Human Endometrial cancer Tissue

Primary Ab: 20 μ g/ml Rabbit Anti-

Human PTEN Antibody

Control: Used PBS instead of primary antibody



Western Blot; Sample: Lane1: Porcine

Cerebrum lysate; Lane2: Rat Cerebrum

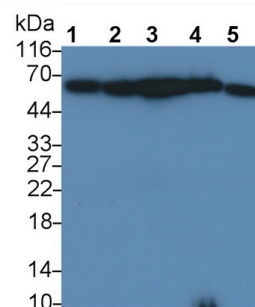
lysate; Lane3: Bovine Cerebrum lysate;

Lane4: Hela cell lysate

Primary Ab: 0.2 μ g/ml Rabbit Anti-

Human PTEN Antibody

Second Ab: 0.2 μ g/mL HRP-Linked



Western Blot; Sample: Lane1: Canine

Cerebrum lysate; Lane2: Gallus

Cerebrum lysate; Lane3: Caprine

Cerebrum lysate; Lane4: Cavia

Cerebrum lysate; Lane5: Equine

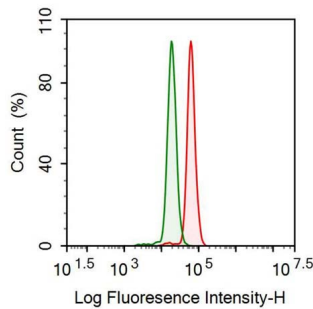
Spleen lysate

Primary Ab: 0.2 μ g/ml Rabbit Anti-

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

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

Human PTEN Antibody
Second Ab: 0.2µg/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 PTEN Polyclonal Antibody (Catalog PAF822Hu01, red histogram) or Isotype control antibody (Catalog IS067-Rb01, green histogram), followed by 1µg/ml FITC-conjugated Anti-rabbit IgG Secondary Antibody (Catalog SAA544Rb18).

[**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.