PAD076Hu01

Polyclonal Antibody to Carbonic Anhydrase IX (CA9)

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: 100µL

Cross Reactivity: Porcine

Applications: WB; IHC

[IMMUNOGEN]

Immunogen: Recombinant CA9 (Pro59~Asp414) expressed in *E.coli*

Accession No.: RPD076Hu01

[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.

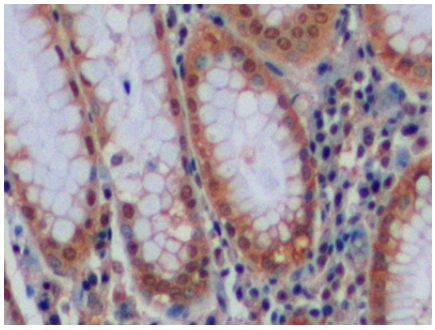
Store at 4ºC for frequent use.

Aliquot and store at -20ºC for 24 months.

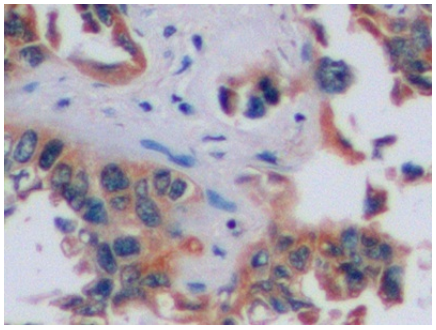
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the

expiration date under appropriate storage condition.

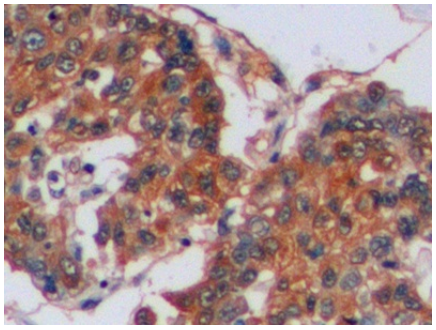
[IDENTIFICATION]



DAB staining on IHC-P; Samples: Human Stomach Tissue; Primary Ab: 10μg/ml Rabbit Anti-Human CA9 Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



DAB staining on IHC-P; Samples: Human Lung cancer Tissue; Primary Ab: 10μg/ml Rabbit Anti-Human CA9 Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



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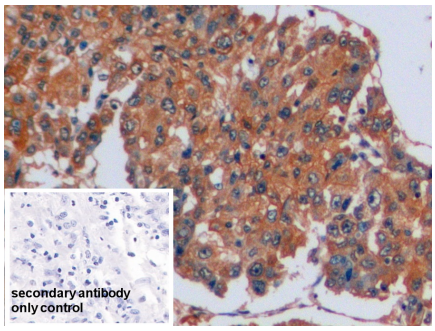
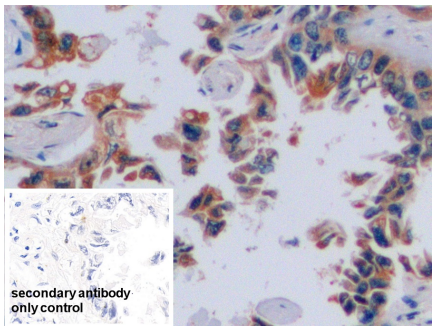


DAB staining on IHC-P; Sample: Human Liver cancer Tissue Primary Ab: 10μg/ml Rabbit Anti-Human CA9 Antibody Control: Used PBS instead of primary antibody Second Ab: 2μg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



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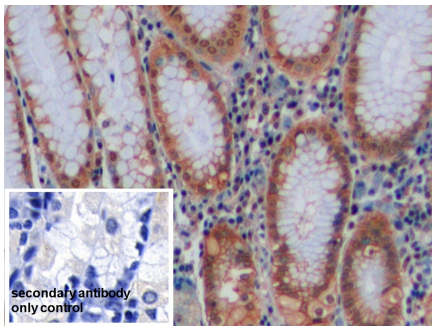
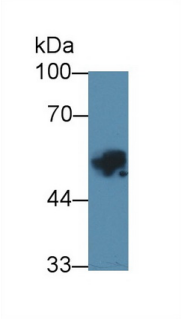
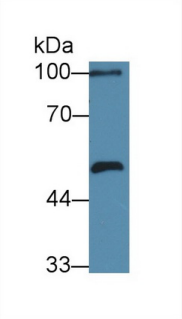


DAB staining on IHC-P; Sample: Human Stomach Tissue Primary Ab: 10μg/ml Rabbit Anti-Human CA9 Antibody Control: Used PBS instead of primary antibody Second Ab: 2μg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



Western Blot; Sample: Porcine Stomach lysate;
Primary Ab: 2µg/ml Rabbit Anti-Human CA9 Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



Western Blot; Sample: Porcine Brain lysate;
Primary Ab: 2µg/ml Rabbit Anti-Human CA9 Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
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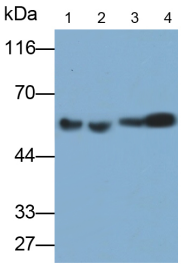

Western Blot; Samples: Lane1: A549 cell lysate; Lane2: MDA-MB-231 cell lysate; Lane3: A431 cell lysate; Lane4: Hela cell lysate;
Primary Ab: 0.3µg/ml Rabbit Anti-Human CA9 Antibody
Second Ab: 0.2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
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[IMPORTANT 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.