

PAA068Hu01

Polyclonal Antibody to Glial Fibrillary Acidic Protein (GFAP)

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: 0.32mg/mL

UOM: 100µg(312µL)

Cross Reactivity: Mouse;Rat;Porcine

Applications: WB; IHC; FCM

[IMMUNOGEN]

Immunogen: Recombinant GFAP (Met1~Met432) expressed in *E.coli*

Accession No.: RPA068Hu01

[APPLICATIONS]

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 5-20µg/mL;

Flow cytometry: 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.

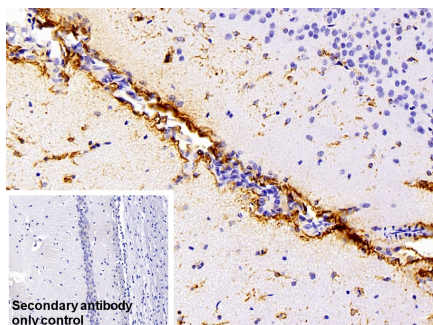
Store at 4°C for frequent use.

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

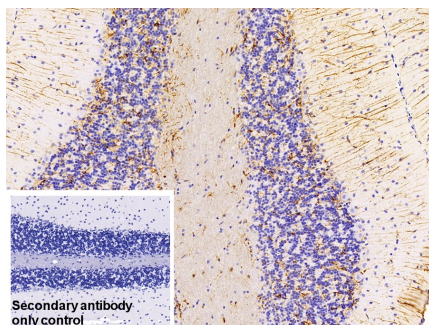
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

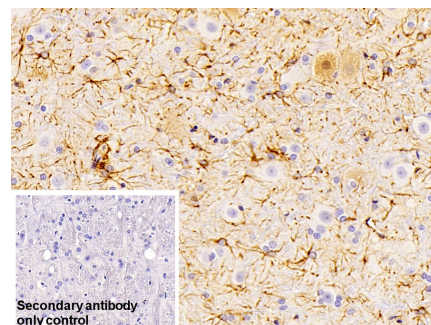
[IDENTIFICATION]



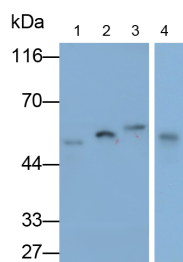
DAB staining on IHC-P; Sample: Rat Cerebrum Tissue
Primary Ab: 10µg/ml Rabbit Anti-Human GFAP Antibody
Control: Used PBS instead of primary antibody
Secondary Ab: 2?g/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



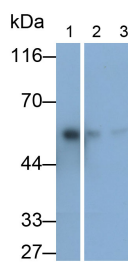
DAB staining on IHC-P; Sample: Rat Cerebellum Tissue
Primary Ab: 10µg/ml Rabbit Anti-Human GFAP Antibody
Control: Used PBS instead of primary antibody
Secondary Ab: 2?g/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



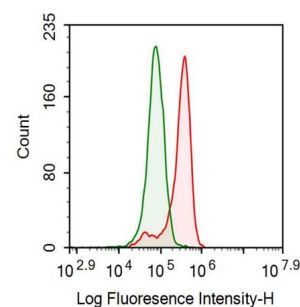
DAB staining on IHC-P; Sample: Rat Spinal cord Tissue
Primary Ab: 10µg/ml Rabbit Anti-Human GFAP Antibody
Control: Used PBS instead of primary antibody
Secondary Ab: 2?g/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



Western Blot; Samples: Lane1: Mouse Cerebrum lysate; Lane2: Rat Cerebrum lysate; Lane3: U87MG cell lysate; Lane4: Porcine Cerebrum lysate;
Primary Ab: 0.05µg/ml Rabbit Anti-Human GFAP Antibody
Secondary Ab: 0.2?g/ml HRP-Linked



Western Blot; Samples: Lane1: Rat Cerebrum lysate; Lane2: U87MG cell lysate; Lane3: HBMEC cell lysate;
Primary Ab: 0.05µg/ml Rabbit Anti-Human GFAP Antibody
Secondary Ab: 0.2?g/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal



Human U87MG cell was fixed with 2% paraformaldehyde (10 min) , permeabilised with 0.1% BSA-Triton X-100, then stained with 20µg/ml rabbit Anti-human GFAP Polyclonal Antibody (Catalog PAA068Hu01, red histogram) or Isotype control antibody (Catalog

Caprine Anti-Rabbit IgG Polyclonal

Antibody

(Catalog: SAA544Rb19)

Antibody

(Catalog: SAA544Rb19)

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.