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: 0.45mg/ml

UOM: 100µl

Cross Reactivity: Mouse;Rat

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;

For flow cytometry, the suggested use of this reagent is 5-20 µg/mL per 10^6 cells in 100 µl volume;

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]

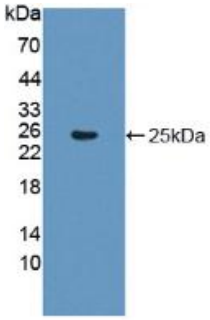
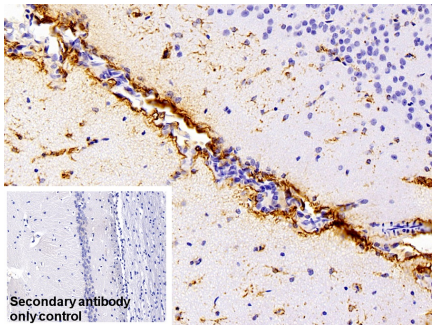
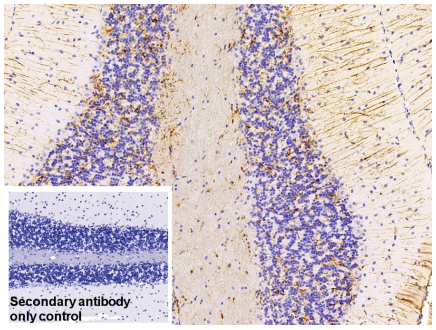


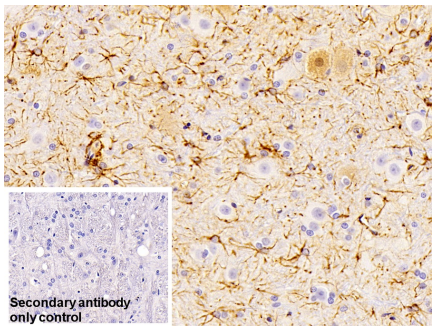
Figure. Western Blot; Sample: Recombinant GFAP, Human.



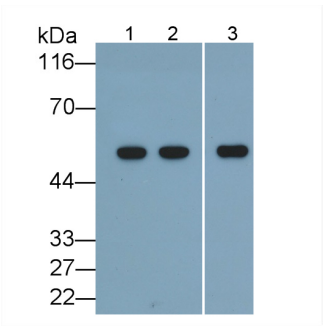
DAB staining on IHC-P; Sample: Rat Cerebrum Tissue Primary Ab: 10μg/ml Rabbit Anti-Human GFAP Antibody Control: Used PBS instead of primary antibody Second Ab: 2?g/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



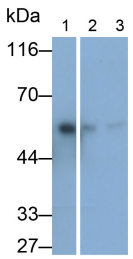
DAB staining on IHC-P; Sample: Rat Cerebellum Tissue Primary Ab: 10μg/ml Rabbit Anti-Human GFAP Antibody Control: Used PBS instead of primary antibody Second Ab: 2?g/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



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

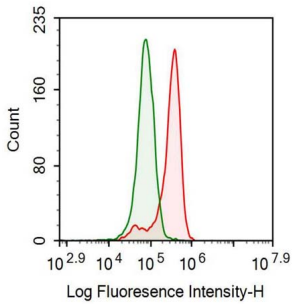


Western Blot; Samples: Lane1: Rat Cerebrum lysate; Lane2: Mouse Cerebrum lysate; Lane3: U87MG cell lysate; Primary Ab: 0.1μg/ml Rabbit Anti-Human GFAP Antibody



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 Second Ab: 0.2?g/ml HRP-Linked

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



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

Second Ab: 0.2?g/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)

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.