

**MAA068Ra27**

**Monoclonal Antibody to Glial Fibrillary Acidic Protein (GFAP)**

**Organism Species: *Rattus norvegicus* (Rat)**

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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13th Edition (Revised in Aug, 2023)

**[ PROPERTIES ]**

**Source:** Monoclonal antibody preparation

**Host:** Mouse

**Antibody isotype:** IgG1 Kappa

**Purification:** Protein A + Protein G affinity chromatography

**Clone number:** D5

**Traits:** Liquid

**Concentration:** 1mg/mL

**UOM:** 100µL

**Cross Reactivity:** Porcine

**Applications:** WB; IHC

**[ IMMUNOGEN ]**

**Immunogen:** Recombinant GFAP (Val113~Glu211) expressed in *E.coli*

**Accession No.:** RPA068Ra01

**[ APPLICATIONS ]**

Western blotting: 0.01-3µg/mL;

Immunohistochemistry: 5-30µg/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.

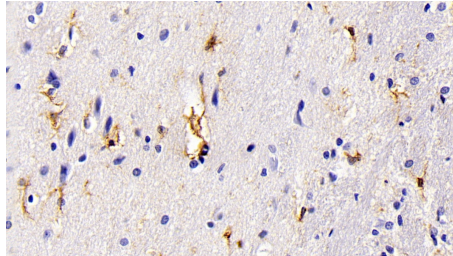
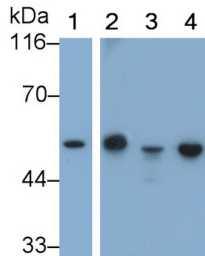
Store at 4°C for frequent use.

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: 30ug/ml

Mouse Anti-Rat GFAP Antibody

Second Ab: 2µg/mL HRP-Linked

Caprine Anti-Mouse IgG Polyclonal

Antibody (Catalog: SAA544Mu19)

Western Blot; Sample: Lane1: Rat

Cerebrum lysate; Lane2: Rat

Cerebellum lysate; Lane3: Porcine

Cerebrum lysate; Lane4: Porcine

Cerebellum lysate Primary Ab:

0.01µg/ml Mouse Anti-Rat GFAP

Antibody Second Ab: 0.2µg/mL HRP-

Linked Caprine Anti-Mouse IgG

Polyclonal Antibody (Catalog:

SAA544Mu19)

### [ 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.