PAA068Mu02
Polyclonal Antibody to Glial Fibrillary Acidic Protein (GFAP)
Organism Species: Mus musculus (Mouse)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)
[ PROPERTIES ]

Source: Polyclonal antibody preparation
Host: Rabbit
Purification: Antigen-specific Affinity Chromatography.
Traits: Liquid
Concentration: 200µg/mL
UOM: 100µg
Applications: WB; IHC; ICC; IP.

[ IMMUNOGEN ]

Immunogen: Recombinant GFAP (Trp253~Leu354) expressed in *E.coli*.
Accession No.: RPA068Mu02

[ APPLICATIONS ]

Western blotting: 0.5-2µg/mL
Immunohistochemistry: 5-20µg/mL
Immunocytochemistry: 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.

[ QUALITY CONTROL ]

Content: The quality control contains recombinant GFAP disposed in loading buffer.
Usage: 10uL per well when 3,3’-Diaminobenzidine(DAB) as the substrate.
           5uL per well when used in enhanced chemiluminescent (ECL).
Note: The quality control is specifically manufactured as the positive control.
Not used for other purposes.
Loading Buffer: 100mM Tris(pH6.8), 1% SDS, 150mM NaCl, 50% glycerol, 0.02% BPB, 50mM DTT and 0.02% NaN3.
[ STORAGE AND STABILITY ]

Storage: Avoid repeated freeze/thaw cycles.
Store at 4°C for frequent use.
Aliquot and store at -20°C for 12 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 1. Western Blot
A. Sample: Recombinant GFAP, Mouse
B. Lane1: Mouse Brian Tissue
   Lane2: Mouse Cerebellum Tissue
   Lane3: Mouse Heart Tissue
Primary Ab: 2μg/mL Rabbit Anti-Mouse GFAP Ab
Second Ab: 1:2000 Dilution of HRP-Linked Guinea pig Anti-Rabbit Ab (Catalog: SAA544Rb59)
Figure 2. DAB staining on IHC-P

Samples:
A. Mouse Brain Tissue
B. Mouse Stomach Tissue
C. Mouse Intestine Tissue