

PAA068Mu01

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

9th Edition (Revised in Jul, 2013)

[PRODUCT INFORMATION]

Immunogen: GFAP, Mouse

Clonality: Polyclonal

Host: Rabbit

Immunoglobulin Type: IgG

Purification: Affinity Chromatography.

Applications: WB, ICC, IHC-P, IHC-F, ELISA

Concentration: 200µg/mL

UOM: 100µg

[IMMUNOGEN INFORMATION]

Immunogen: Recombinant GFAP (Met70~Ile374) expressed in *E.coli*.

Accession No.: RPA068Mu01

Sequence: The target protein is fused with two N-terminal Tags, His-tag and T7-tag and its sequence is listed below.

MGSSHHHHHH SSSLVPRGSH MASMTGGQQM GRGSEF- M MELNDRFASY IEKVRFLQQ
NKALAAELNQ LRAKEPTKLA DVYQAELEL RLRDQLTAN SARLEVERDN FAQDLGTLRQ
KLQDETNLRL EAENNLAAAYR QEADEATLAR VDLERKVESL EEEIQFLRKI YEEEVRELRE
QLAQQQVHVE MDVAKPDLTA ALREIRTQYE AVATSNMQET EEWYRSKFAD LTDAASRNAE
LLRQAKHEAN DYRRQLQALT CDLES LRGTN ESLERQMREQ EERHARESAS YQEALARLEE
EGQSLKEEMA RHLQEYQDLL NVKLALDIEI ATYRKLLEGE ENRI

[ANTIBODY SPECIFICITY]

The antibody is a rabbit polyclonal antibody raised against GFAP. It has been selected for its ability to recognize GFAP in immunohistochemical staining and western blotting.

[APPLICATIONS]

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

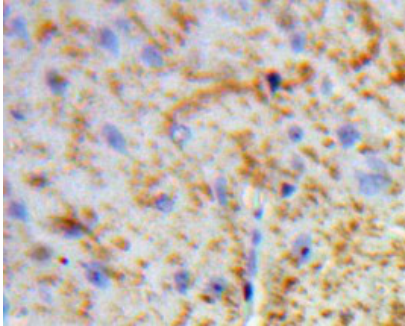
Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

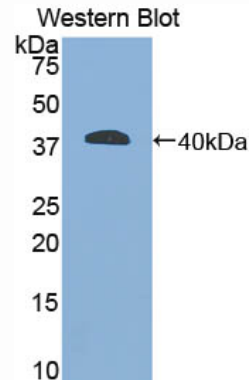
Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

[IMAGES]



Used in DAB staining on formalin fixed
paraffin-embedded Brain tissue



Used in Western Blot, Sample:
Recombinant GFAP, Mouse

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[QUALITY CONTROL]

Content: The quality control contains recombinant GFAP (Met70~Ile374) 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(pH8.8), 2% SDS, 200mM NaCl, 50% glycerol, BPB 0.01%, NaN₃ 0.02%.

[STORAGE]

Store at 4°C for frequent use. Stored at -20°C to -80°C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.