Product Information Sheet

Monoclonal Anti-Glial Fibrillary Acidic Protein, *GFAP*

Catalogue No. MA1045

Lot No. 08A12

Clone: GA-8

Ig type: mouse IgG1

Size: 100µg/vial

Specificity

Human, mouse, rat.

No cross reactivity with other proteins.

Recommended application

Western blot

Immunohistochemistry(P)

Immunohistochemistry(F)

To reorder contact us at:

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Immunogen

GFAP from pig spinal cord.

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Application

Western blot

At 0.5-1µg/ml with the appropriate system to detect GFAP in cells and tissues.

Immunohistochemistry(P)

At 0.4-1µg/ml to detect GFAP in formalin fixed and paraffin embedded tissues.

Immunohistochemistry(F)

At 0.5-1µg/ml to detect GFAP in formalin or acetone fixed tissues.

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Formulation

Lyophilized from 1.2% sodium acetate, with 2mg BSA and 0.01mg NaN_3 as preservative.

Reconstitution

1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100µg/ml.

Storage

At -20˚C for one year. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for longer time.

BACKGROUND

Glial fibrillary acidic protein(GFAP) is an intermediate filament protein of 52Kda. GFAP gene is mapped to human 17q21. GFAP is a useful marker of astroglia in the brain. Mutations in GFAP, encoding glial fibrillary acidic protein, are associated with Alexander disease

REFERENCE

1 Brenner, M.; Johnson, A. B.; Boespflug-Tanguy, O.; Rodriguez, D.; Goldman, J. E.; Messing, A. : Mutations in GFAP, encoding glial fibrillary acidic protein, are associated with Alexander disease. Nature Genet. 27: 117-120, 2001.

2 Rodriguez, D.; Gauthier, F.; Bertini, E.; Bugiani, M.; Brenner, M.; N'guyen, S.; Goizet, C.; Gelot, A.; Surtees, R.; Pedespan, J.-M.; Hernandorena, X.; Troncoso, M.; Uziel, G.; Messing, A.; Ponsot, G.; Pham-Dinh, D.; Dautigny, A.; Boespflug-Tanguy, O. : Infantile Alexander disease: spectrum of GFAP mutations and genotype-phenotype correlation. Am. J. Hum. Genet. 69: 1134-1140, 2001. Note: Erratum: Am. J. Hum. Genet. 69: 1413 only, 2001.