

Mouse Anti-GFAP [GA-5]: MC0144, MC0144RTU7

Intended Use: For Research Use Only

Description: Glial fibrillary acidic protein (GFAP) is the subunit of the glial specific “intermediate” filament that include desmin filaments in smooth muscle, vimentin filaments in cultured fibroblasts, keratin filaments in epithelium and neurofilaments in neural cells. GFAP is a major product of astrocytic differentiation. Compared with special stains currently used to identify an astroglial component in brain tumors, GFAP staining is more sensitive. Further, the immunohistochemical staining method is useful in demonstrating reactive astrocytes, whether secondary to a brain tumor or to any other neuro-pathological condition.

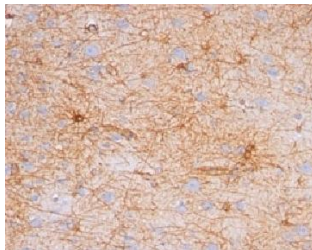
Specifications

Clone: GA-5
Source: Mouse
Reactivity: Human, mouse, rat, rabbit, chicken, cow, pig
Isotype: IgG1k
Localization: Cytoplasm
Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
Storage: Store at 2°- 8°C
Applications: IHC, Flow Cyt., ICC/IF, WB
Package:

Description	Catalog No.	Size
GFAP Concentrated	MC0144	1 ml
GFAP Prediluted	MC0144RTU7	7 ml

IHC Procedure*

Positive Control Tissue: Cerebellium, astrocytoma
Concentrated Dilution: 50-200
Pretreatment: Tris pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30 minutes @ RT
Detection: Refer to the detection system manual
* Result should be confirmed by an established diagnostic procedure.



FFPE human cerebellum tissue stained with anti-GFAP using DAB

References:

1. A novel model of persistent retinal neovascularization for the development of sustained anti-VEGF therapies. Li Y, et al. Exp Eye Res 174:98-106, 2018.
2. An Elastomeric Polymer Matrix, PEUU-Tac, Delivers Bioactive Tacrolimus Transdurally to the CNS in Rat. van der Merwe Y, et al. EBioMedicine 26:47-59, 2017.
3. An avian model for the reversal of neurobehavioral teratogenicity with neural stem cells. Dotan S, et al. Neurotoxicol Teratol 32:481-8, 2010.

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Rev. B