

# Datasheet



Mouse mAb to **Glial Fibrillary Acid Protein**  
Clone **G-A-5 (GA-5)**  
Isotype **IgG1**

## Source

A BALB/c mouse was immunized with a crude preparation from porcine spinal cord.

## Specifications

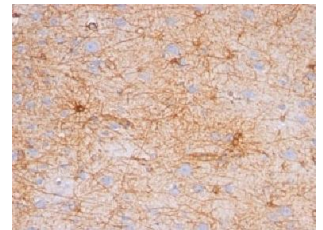
G-A-5 reacts specifically with Glial Fibrillary Acid Protein. GFAP is the major protein of glial filaments in differentiated astrocytes and ependymal cells. It has a MW of 52 kDa and in the peripheral nervous system GFAP has been demonstrated in Schwann cells.

## Species reactivity

Positive: chicken, human, mouse, pig, rat.

## Applications

G-A-5 is particularly useful for identifying GFAP in frozen and formalin-fixed paraffin-embedded brain tissue sections. In neoplastic tissue G-A-5 is positive in astrocytoma's and ependymomas. G-A-5 can also be applied for Western blot analysis.



**Figure 1:** Human cerebellum stained with G-A-5

Frozen sections	Paraffin sections	Western blotting
+	Citrate	+

## Format

Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and presented in PBS with 0,02% sodium azide.

Stored at 4°C-8°C, shelf life is at least 24 months after purchase.

## Dilution advice

- Immunoblotting (0,5-1,0 µg/ml).
- Immunohistology (1-2 µg/ml for 30 min at RT; staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes).

## Positive control

Brain, neuroblastoma.

## References

- Debus E., et al, *Differentiation* **25(2)**: 193-203 (1983).
- Kobayashi K. et al, *Brain Res.* **740(1-2)**: 57-65 (1996).