

GFAP Monoclonal Antibody (SP78)

| Product Details | |
|--------------------|--|
| Size | 500 µL |
| Species Reactivity | Human |
| Host/Isotope | Rabbit / IgG |
| Class | Monoclonal |
| Type | Antibody |
| Clone | SP78 |
| Conjugate | Unconjugated |
| Immunogen | Synthetic peptide corresponding to C-terminus of human GFAP protein. |
| Form | Liquid |
| Purification | Protein A/G |
| Storage buffer | PBS, pH 7.6, with 1% BSA |
| Contains | 0.1% sodium azide |
| Storage Conditions | Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles. |
| RRID | AB_2537886 |

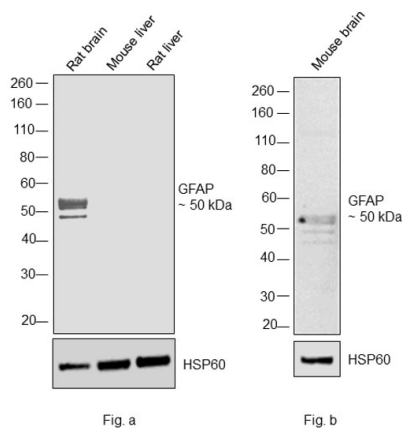
| Applications | Tested | Dilution | Published |
|---|--------|----------|-----------|
| Immunohistochemistry (Paraffin) (IHC (P)) | ✓ | 1:100 | |
| Western Blot (WB) | ✓ | 1:1000 | |

Product Specific Information

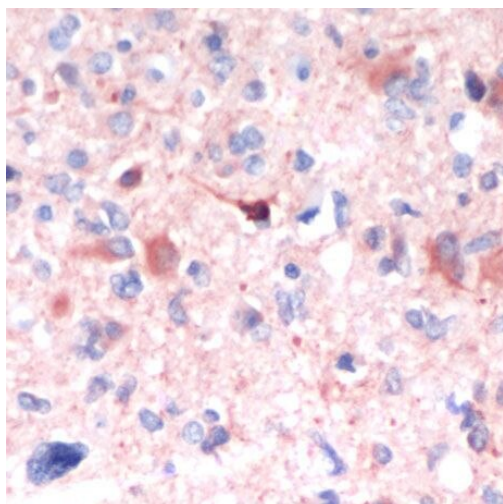
Heat-mediated antigen retrieval is recommended prior to staining, using a 10mM citrate buffer, pH 6.0, for 10 minutes followed by cooling at room temperature for 20 min. Following antigen retrieval, incubate samples with primary antibody for 30 min at room temperature. A suggested positive control is astrocytoma.

GFAP Antibody (MA5-16367)

Antibody specificity was demonstrated by detection of differential basal expression of the target across tissue tested owing to their inherent genetic constitution. Relative expression of GFAP was observed in Mouse brain, Rat brain in comparison to Mouse liver and Rat liver using Anti-GFAP Monoclonal Antibody (SP78) (Product # MA5-16367) in Western Blot. Relative expression validation info.



Product Images For GFAP Monoclonal Antibody (SP78)

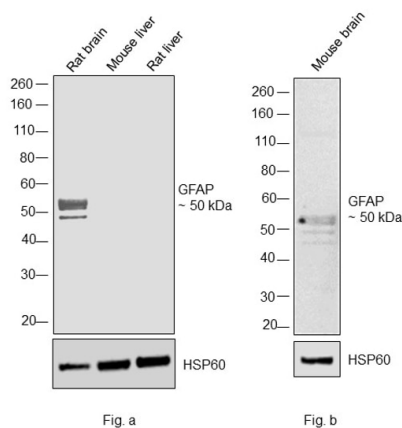


GFAP Antibody (MA5-16367) in IHC

Immunohistochemical analysis of Glial Fibrillary Acidic Protein using anti-Glial Fibrillary Acidic Protein Monoclonal Antibody (Product # MA5-16367) in Astrocytoma Cancer Tissue. The recommended dilution for this antibody in immunohistochemistry applications is 1:100.

GFAP Antibody (MA5-16367) in WB

Western blot was performed using Anti-GFAP Monoclonal Antibody (SP78) (Product # MA5-16367) and a 50 kDa band corresponding to GFAP was observed across tissues tested except Mouse and Rat liver. Whole cell extracts (30 µg lysate) of Rat brain (Lane 1), Mouse liver (Lane 2) and Rat liver (Lane 3) in Fig. a and Mouse brain in Fig. b were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (H+L), Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005) for Fig. a and SuperSignal™ West Dura Extended Duration Substrate (Product # 34076) for Fig. b.



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