# Recombinant GFAP Monoclonal Antibody

**catalog number:** **AN300975L**

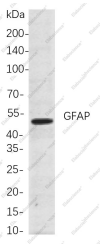
**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

| | |
|---|---|
| **Reactivity** | Human;Mouse;Rat |
| **Immunogen** | Recombinant Human GFAP protein |
| **Host** | Rabbit |
| **Isotype** | Rabbit IgG |
| **Clone** | C110599 |
| **Purification** | Protein A affinity purification |
| **Conjugation** | Unconjugated |
| **Buffer** | PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant. |

| Applications | Recommended Dilution |
|---|---|
| **WB** | 1:1000-1:5000 |
| **IHC** | 1:200-1:1000 |
| **IF** | 1:200-1:1000 |
| **IP** | 1:50-1:200 |
| **ELISA** | 1:5000-1:20000 |

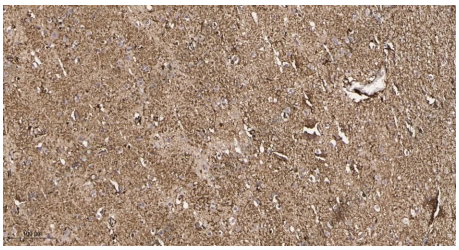
## Data



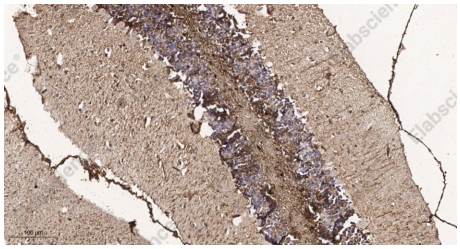

Western Blot with Recombinant GFAP Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: Mouse brain cells.

**Observed-MW:50 kDa**

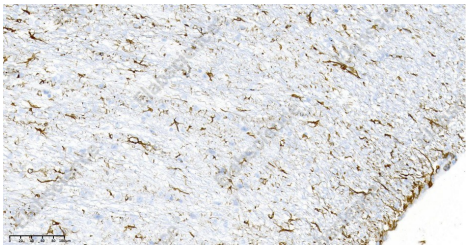
**Calculated-MW:50 kDa**



Immunohistochemistry of paraffin-embedded human brain tissue using Recombinant GFAP Monoclonal Antibody at dilution of 1:200.



Immunohistochemistry of paraffin-embedded mouse brain tissue using Recombinant GFAP Monoclonal Antibody at dilution of 1:200.



Immunohistochemistry of paraffin-embedded mouse brain using Recombinant GFAP Monoclonal Antibody at dilution of 1:200.

## Preparation & Storage

| | |
|---|---|
| **Storage** | Store at -20°C Valid for 12 months. Avoid freeze/thaw cycles. |
| **Shipping** | Ice bag |


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## Background

This gene encodes one of the major intermediate filament proteins of mature astrocytes. It is used as a marker to distinguish astrocytes from other glial cells during development. Mutations in this gene cause Alexander disease, a rare disorder of astrocytes in the central nervous system. Alternative splicing results in multiple transcript variants encoding distinct isoforms.


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