

## Anti-GFAP Antibody (2D916)

### Product Details

Ig Type:	IgG2b
Reactivity:	Human, Mouse, Rat
Conjugation:	Unconjugated
Clone:	2D916
Purification:	Protein G purified

### Applications

1. Western Blot
  - Positive WB detected in: Mouse brain tissue, Rat brain tissue
  - All lanes: GFAP antibody at 2.7µg/ml
  - Secondary: Goat polyclonal to Mouse IgG at 1/10000 dilution
  - Predicted band size: 50, 51 kDa
  - Observed band size: 50 kDa
2. Immunohistochemistry of paraffin-embedded human brain tissue using TMAH-00485 at dilution of 1:100
3. Immunohistochemistry of paraffin-embedded human glioma using TMAH-00485 at dilution of 1:100
4. Immunohistochemistry of paraffin-embedded human kidney tissue using TMAH-00485 at dilution of 1:100
5. Immunofluorescent analysis of A549 cells using TMAH-00485 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).
6. Immunofluorescent analysis of SH-SY5Y cells using TMAH-00485 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).
7. Immunofluorescent analysis of U251 cells using TMAH-00485 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).
8. Immunofluorescent analysis of U87 cells using TMAH-00485 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).
9. Overlay histogram showing SH-SY5Y cells stained with TMAH-00485 (red line). The cells were fixed with 70% Ethylalcohol (18h) and then permeabilized with 0.3% Triton X-100 for 2 min. The cells were then incubated in 1x PBS /10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (10µg/1\*10<sup>6</sup> cells) for 1 h at 4°C. The secondary antibody used was FITC goat anti-mouse IgG(H+L) at 1/200 dilution for 1 h at 4°C. Isotype control antibody (green line) was mouse IgG2b (10µg/1\*10<sup>6</sup> cells) used under the same conditions. Acquisition of >10,000 events was performed.

Verified Activity:

Application: ELISA, WB, IHC, IF, FCM

## A DRUG SCREENING EXPERT

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### Properties

Purity: >95%

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: Recombinant Protein: Human GFAP Protein (292-432AA)

Antigen Species: Human

Gene ID: 2670

Uniprot ID: P14136

Synonyms: GFAP; Glial Fibrillary Acidic Protein

Biology Area: Neuroscience

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### Research Background

GFAP, a class-III intermediate filament, is a cell-specific marker that, during the development of the central nervous system, distinguishes astrocytes from other glial cells.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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