

## 34-1046: Polyclonal Antibody to Glial Fibrillary Acidic Protein, GFAP

|                                |   |
|--------------------------------|---|
| <b>Clonality :</b>             | Polyclonal                                    |
| <b>Application :</b>           | WB  |
| <b>Reactivity :</b>            | Human   |
| <b>Gene :</b>                  | GFAP  |
| <b>Gene ID :</b>               | 2670  |
| <b>Uniprot ID :</b>            | P14136  |
| <b>Format :</b>                | Conc. IgY prep.                               |
| <b>Isotype :</b>               | Chicken, IgY                                  |
| <b>Immunogen Information :</b> | Native GFAP, purified from bovine spinal cord |

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 50 $\mu$ l / 100 $\mu$ l  |
| <b>Content :</b>           | Antibody is supplied as an aliquot of concentrated IgY preparation  |
| <b>Storage condition :</b> | Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles. |

### Application Note

WB: 1:5,000. IF/ICC and IHC: 1:1,000-1:5,000

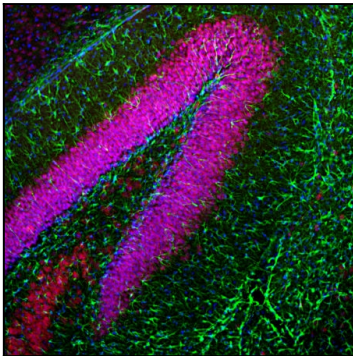


Figure-1: Immunofluorescent analysis of a section of mouse hippocampus stained with chicken pAb to GFAP,(34-1046), dilution 1:5,000 in green and costained with rabbit pAb to FOX3/NeuN,(34-1036), dilution 1:5,000, in red. The blue is Hoechst staining of nuclear DNA. Following transcardial perfusion with 4% paraformaldehyde, mouse brain was post fixed for 24 hours, cut to 45 $\mu$ m, and free-floating sections were stained with the above antibodies. The GFAP antibody stains a network of astroglial cells while the Fox3/NeuN antibody stains the nuclei and proximal perikarya of neurons.

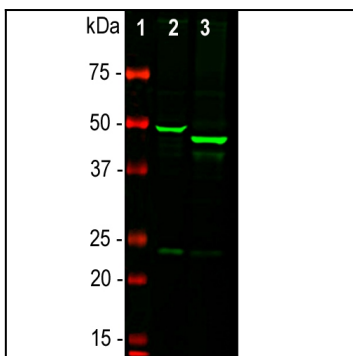


Figure-2: Western blot analysis of whole brain lysates using chicken pAb to GFAP,(34-1046), dilution 1:5,000 in green: [1] protein standard (red), [2] rat brain, [3] mouse brain. The strong band at about 50 kDa corresponds to the GFAP protein. Smaller proteolytic fragments and alternate transcripts of GFAP may also be detected on such blots.