

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

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

Product Info

Amount :	50 µl / 100 µl
Content :	Antibody is supplied as an aliquot of concentrated IgY preparation
Storage condition :	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

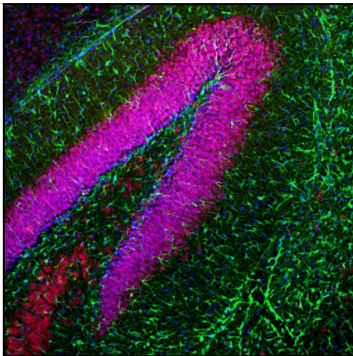


Figure-1: Immunofluorescent analysis of a section of mouse hippocampus stained with chicken pAb to GFAP,(34-1046), dilution 1:5,000 in green and costained with rabbit pAb to FOX3/NeuN,(34-1036), dilution 1:5,000, in red. The blue is Hoechst staining of nuclear DNA. Following transcardial perfusion with 4% paraformaldehyde, mouse brain was post fixed for 24 hours, cut to 45µM, 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.

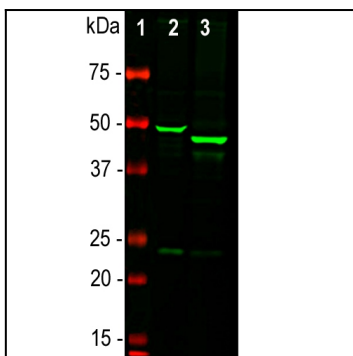


Figure-2: Western blot analysis of whole brain lysates using chicken pAb to GFAP,(34-1046), dilution 1:5,000 in green: [1] protein standard (red), [2] rat brain, [3] mouse brain. The strong band at about 50 kDa corresponds to the GFAP protein. Smaller proteolytic fragments and alternate transcripts of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