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34-1042: Polyclonal Antibody to Glial Fibrillary Acidic Protein,GFAP

Clonality :	Polyclonal
Application :	WB
Reactivity :	Human
Gene :	GFAP
Gene ID :	2670
Uniprot ID :	P14136
Format :	Sera
Isotype :	Rabbit, IgG
Immunogen Information :	Â Recombinant human full length GFAP protein

Product Info

Amount :	50 µl / 100 µl
Content :	Antibody is supplied as an aliquot of serum
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

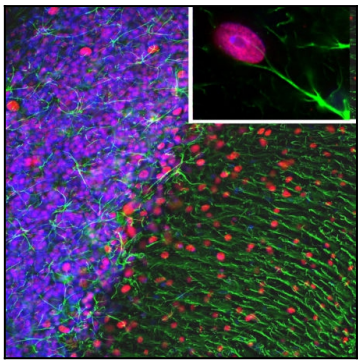

Figure-1: Immunofluorescent analysis of a rat cerebellum section stained with rabbit pAb to GFAP,(34-1042), dilution 1:5,000 in green and costained with mouse mAb to MeCP2, dilution 1:500, in red. The blue is Hoechst staining of nuclear DNA. Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post fixed for 1 hour, cut to 45Î¼M, and free-floating sections were stained with above antibodies. The GFAP antibody stains the network of astrocytic cells and the processes of Bergmann glia in the molecular layer. The MeCP2 antibody specifically labels nuclei of certain neurons.

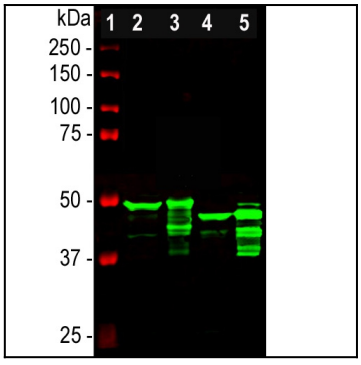

Figure-2: Western blot analysis of different tissue lysates using rabbit polyclonal antibody to GFAP,(34-1042), dilution 1:5,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord. Strong band at about 50kDa corresponds to the major isotype of the GFAP protein. Smaller isotypes and proteolytic fragments of GFAP are also detected on the blot.