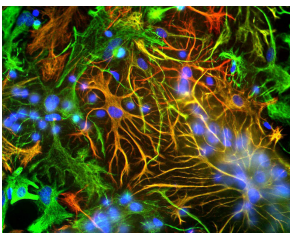


## Anti-GFAP Antibody (A85419)

### Specifications:

Name:	Anti-GFAP Antibody
Description:	Rabbit polyclonal antibody to GFAP.
Applications:	WB, ICC/IF, IHC, IP
Recommended Dilutions:	WB: 1:5,000, ICC/IF: 1:1,000-1:5,000, IHC: 1:1,000-1:5,000
Reactivity:	Human, Horse, Bovine, Porcine, Rat, Mouse
Immunogen:	Recombinant full-length human GFAP isotype 1, expressed in and purified from E. coli.
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Conjugate:	Unconjugated
Molecular Weight:	~50 kDa
Purity:	Whole antiserum.
Product Form:	Liquid
Formulation:	Supplied as an aliquot of serum with 5mM Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

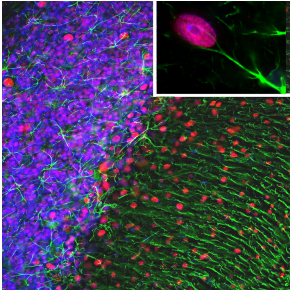
### Images:



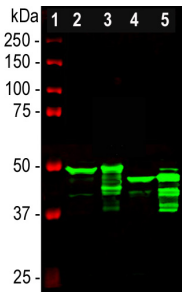
Mixed neuron-glia cultures stained with Anti-GFAP Antibody (red) and Anti-Vimentin Antibody (A85421 | green). The fibroblastic cells contain only vimentin and so are green, while astrocytes contain either vimentin and GFAP, so appear golden, or predominantly GFAP, in which case they appear red. Blue is nuclear DNA stain.

## Anti-GFAP Antibody (A85419)

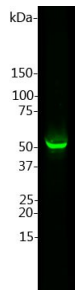
Images continued:



Immunofluorescent analysis of a rat cerebellum section stained with Anti-GFAP Antibody (A85419), at a dilution of 1:5,000, in green, and co-stained with Anti-MeCP2 Antibody (A104324), at a dilution of 1:500, in red. The nuclear DNA is visualised in blue using Hoechst staining. Following transcardial perfusion of the rat with 4% paraformaldehyde, the brain was post-fixed for 1 hour, cut to 45  $\mu\text{m}$ , and free-floating sections were stained with the above antibodies. The Anti-GFAP Antibody (A85419) stains the network of astrocytic cells and the processes of Bergmann glia in the molecular layer. The Anti-MeCP2 Antibody (A104324) specifically labels nuclei of certain neurons.



Western blot analysis of different tissue lysates using Anti-GFAP Antibody (A85419), at a dilution of 1:5,000, in green. The lanes contain samples of: [1] Protein standards, in red, [2] rat brain, [3] rat spinal cord, [4] mouse brain, and [5] mouse spinal cord. The strong band at about 50 kDa corresponds to the major isotype of the GFAP protein. Smaller isotypes and proteolytic fragments of GFAP are also detected on the blot.



Western blot analysis of Anti-GFAP Antibody. Blot of rat brain lysate was probed with Anti-GFAP Antibody (1:5,000). A prominent band running with an apparent SDS-PAGE molecular weight of  $\sim 50$  kDa corresponds to rodent GFAP.