

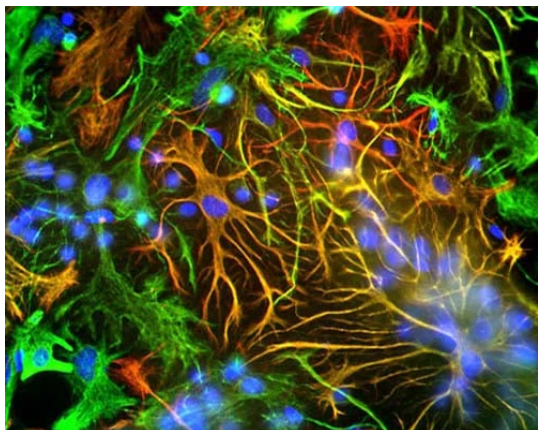
Anti-Glial Fibrillary Acidic Protein (GFAP) Antibody



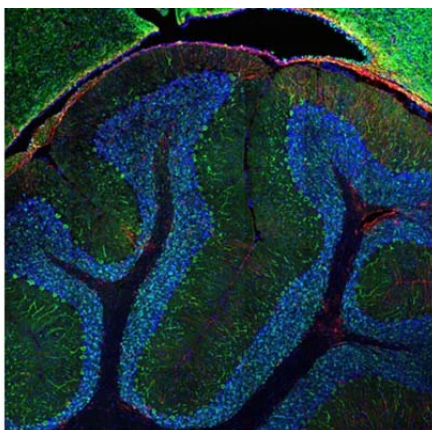
Product Details

Available Variants	50 µL (SKU:R-1374-50)
Conjugate	Unconjugated
Isotype	Mixed
Host Species	Rabbit
Format	Whole serum
Physical State	Lyophilized
Buffer	Lyophilized with sodium azide.
Applications	ICC, IHC, WB
Dilution Ranges	WB: 1:5000 IHC: 1:1000-1:5000 ICC: 1:1000-1:5000
Species Reactivity	Bovine, Horse, Human, Mouse, Pig, Rat
Immunogen	Recombinant full length human GFAP isotype 1 expressed in and purified from E. coli.
Molecular Weight	50 kDa
Storage	Spin vial briefly before opening. Reconstitute with 50 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. After reconstitution of lyophilized antibody, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles.
UniProt ID	P14136
Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).

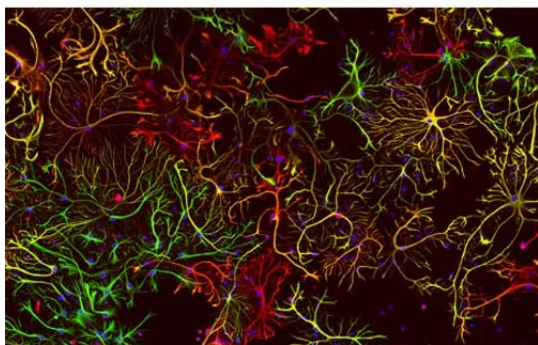
Product Images



Mixed neuron-glia cultures stained with Rabbit polyclonal antibody to Glial Fibrillary Acidic Protein R-1374-50 (red channel) and Chicken polyclonal antibody to Vimentin C-1409-50 (green channel). The fibroblastic cells contain only Vimentin and so are green, while astrocytes contain either Vimentin and GFAP, so appearing golden, or predominantly GFAP, in which case they appear red. Blue is nuclear DNA stain.



View of a thin section of adult rat cerebellum stained with Chicken polyclonal antibody to Microtubule Associated Protein 2 C-1382-50 (green), Rabbit polyclonal to GFAP R-1374-50 (red) and DNA (blue). The image shows the molecular layer (outside of lobe) and granular layer; blue since its full of small neurons and the white matter in the middle.



A view of neonatal rat brain cultures stained with Chicken polyclonal antibody to Vimentin C-1409-50 (red) and with Rabbit polyclonal antibody to GFAP R-1374-50 (green). These two proteins are found only in non-neuronal cells so you can't see any neurons, except for their nuclei in blue. Maturish astrocytes have only GFAP so appear green or have a mix of both proteins, so appear yellow. Some cells only have the vimentin (immature astrocytes, microglia and fibroblasts) and so appear red.



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