

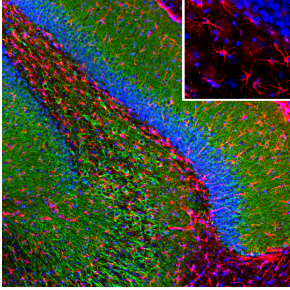
Anti-GFAP Antibody [3E10] (A270551)

Specifications:

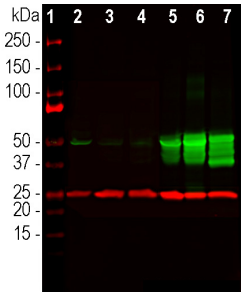
Name:	Anti-GFAP Antibody [3E10]
Description:	Mouse monoclonal [3E10] antibody to GFAP.
Applications:	WB, ICC/IF, IHC
Recommended Dilutions:	WB: 1:1,000, ICC/IF: 1:500, IHC: 1:500
Reactivity:	Human, Rat, Mouse, Porcine, Bovine
Immunogen:	Recombinant fragment corresponding to amino acids 71-217 of human GFAP isotype 1, expressed in and purified from E. coli.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	3E10
Isotype:	IgG1
Conjugate:	Unconjugated
Purification:	Immunogen affinity purification.
Concentration:	1 mg/ml
Molecular Weight:	50 kDa
Product Form:	Liquid
Formulation:	Supplied in Phosphate Buffered Saline with 50% Glycerol and 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.

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Images:



Immunofluorescent analysis of rat hippocampus section stained using Anti-GFAP Antibody [3E10] (A270551), at a dilution of 1:500, in red. The tissue was co-stained using Anti-MAP2 Antibody (A85363), at a dilution of 1:5,000, in green. Nuclear DNA is visualised in blue using Hoechst staining. Following transcardial perfusion of the rat with 4% paraformaldehyde, the brain was post-fixed for 24 hours, cut to 45 μ m, and free-floating sections were stained using the above antibodies. The Anti-GFAP Antibody [3E10] (A270551) stains the network of astroglial cells while the Anti-MAP2 Antibody (A85363) labels perikarya and dendrites of neurons.



Western blot analysis of equal amount of total proteins from different cell and tissue lysates using Anti-GFAP Antibody [3E10] (A270551), at a dilution of 1:1,000, in green. The lanes contain samples of: [1] Protein standards, in red, [2] primary rat cortical neuron-glia cells, [3] rat brain, [4] mouse brain, [5] cow cortex, [6] cow cerebellum, and [7] pig hippocampus. Bands around 50 kDa correspond to GFAP protein and its alternative transcripts and fragments. The Anti-GFAP Antibody [3E10] (A270551) has stronger reactivity with cow and pig GFAP as compared to rodent, and reacts strongly with human native and recombinant GFAP (not shown). The same blot was probed with Anti-UCHL1 Antibody (A85349), a neuron cell marker, at a dilution of 1:2,000, in red. The UCHL1 antibody reveals a 25 kDa band corresponding to UCHL1 protein detected in all preparations, acting as a positive loading control.