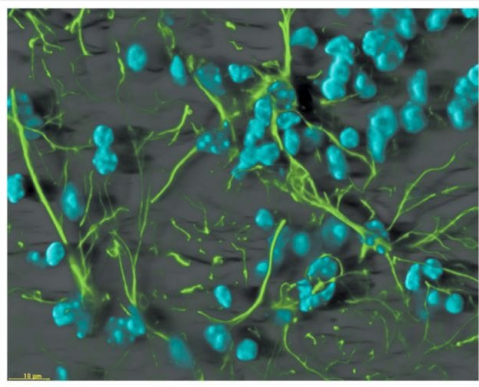


GFAP Monoclonal Antibody (131-17719)

Product Details	
Size	100 µL
Species Reactivity	Human
Published Species	Rat, Non-human primate, Mouse, Human
Host/Isotope	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	131-17719
Conjugate	Unconjugated
Immunogen	protein glial fibrillary acidic protein
Form	Liquid
Concentration	1 mg/mL
Purification	purified
Storage buffer	PBS, pH 7.2, with 0.1% BSA
Contains	5mM sodium azide
Storage Conditions	4° C
RRID	AB_2535827

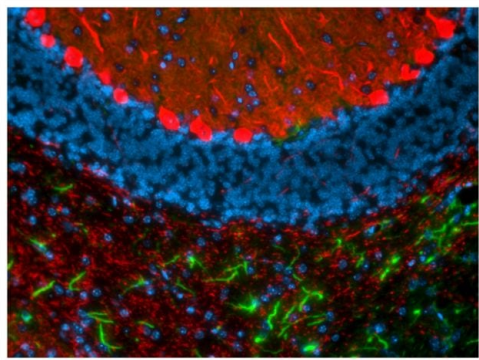
Applications	Tested	Dilution	Published
Immunofluorescence (IF)	✓	Assay Dependent	3 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	1:400	2 Publications
Immunocytochemistry (ICC)	✓	Assay Dependent	4 Publications
Immunohistochemistry (IHC)	-	1:250	6 Publications
Immunohistochemistry - Free Floating (IHC (Free))	-	1:600	2 Publications
Western Blot (WB)	-		2 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	1:200	5 Publications
Miscellaneous PubMed (MISC)	-	1:200	5 Publications

Product Images For GFAP Monoclonal Antibody (131-17719)



GFAP Antibody (A-21282) in IF

Intermediate filaments of astrocytes and ependymal cells in a mouse brain cryosection identified using mouse monoclonal anti-GFAP and visualized with Alexa Fluor® 488 goat anti-mouse IgG antibody. Intermediate filaments of astrocytes and ependymal cells in a 14 µm mouse brain cryosection were identified using mouse monoclonal anti-glial fibrillary monoclonal antibody (anti-GFAP, Product # A-21282) and visualized with green-fluorescent Alexa Fluor® 488 goat anti-mouse IgG antibody (Product # A-11029). Nuclei were stained with blue-fluorescent DAPI (Product # D1306, D3571, D21490). The image was deconvolved using Huygens software (Scientific Volume Imaging, <http://www.svi.nl/>). 3-D reconstruction was performed using Imaris software (Bitplane AG, <http://www.bitplane.com/>).



GFAP Antibody (A-21282) in IF

Multicolor fluorescence analysis of mouse cerebellum cross section. Glial cells were labeled with GFAP Monoclonal Antibody, Mouse (131-17719) (Product # A-21282) and detected using TSA Kit #2 (Product # T-20912) with the HRP conjugate of goat anti-rabbit IgG and green-fluorescent Alexa Fluor® 488 tyramide. Calbindin was labeled with an anti-calbindin primary antibody and visualized using TSA Kit #41 (Product # T-30954) with the HRP conjugate of goat anti-mouse IgG and red-fluorescent Alexa Fluor® 555 tyramide. Nuclei were stained with blue-fluorescent Hoechst 33342 (Product # H1399, H3570, H21492).

[View more figures on thermofisher.com](http://thermofisher.com)

29 References

Immunofluorescence (3)

Cell reports

The Spectrin-Actin-Based Periodic Cytoskeleton as a Conserved Nanoscale Scaffold and Ruler of the Neural Stem Cell Lineage.

"Published figure using GFAP monoclonal antibody (Product # A-21282) in Immunofluorescence"

Authors: Hauser M, Yan R, Li W, Repina NA, Schaffer DV, Xu K

Species
Not Applicable

Dilution
Not Cited

Year
2018

Journal of neuroinflammation

Central but not systemic administration of XPro1595 is therapeutic following moderate spinal cord injury in mice.

"A-21282 was used in immunocytochemistry to elucidate the contribution of soluble TNF and transmembrane-associated TNF to the development of the lesion in the central nervous system"

Authors: Novrup HG, Bracchi-Ricard V, Ellman DG, Ricard J, Jain A, Runko E, Lyck L, Yli-Karjanmaa M, Szymkowski DE, Pearse DD, Lambertsens KL, Bethea JR

Species
Mouse

Dilution
Not Cited

Year
2014

[View more IF references on thermofisher.com](#)

Immunohistochemistry (Paraffin) (2)

Mediators of inflammation

Genetic Ablation of Soluble TNF Does Not Affect Lesion Size and Functional Recovery after Moderate Spinal Cord Injury in Mice.

"A21282 was used in immunohistochemistry - paraffin section to examine the effect of genetic ablation of soluble tumor necrosis factor on traumatic spinal cord injury"

Authors: Ellman DG, Degn M, Lund MC, Clausen BH, Novrup HG, Flæng SB, Jørgensen LH, Suntharalingam L, Svenningsen ÅF, Brambilla R, Lambertsens KL

Species
Mouse

Dilution
1:400

Year
2017

The Journal of experimental medicine

VLA-4 blockade promotes differential routes into human CNS involving PSGL-1 rolling of T cells and MCAM-adhesion of TH17 cells.

"A-21282 was used in immunohistochemistry - paraffin section to characterize VLA-4 blockade and promotion of differential routes into human CNS involving MCAM-adhesion of TH17 cells and PSGL-1 rolling of T cells"

Authors: Schneider-Hohendorf T, Rossaint J, Mohan H, Böning D, Breuer J, Kuhlmann T, Gross CC, Flanagan K, Sorokin L, Vestweber D, Zarbock A, Schwab N, Wiendl H

Species
Not Applicable

Dilution
Not Cited

Year
2014

More applications with references on thermofisher.com

ICC (4)

IHC (6)

IHC (Free) (2)

WB (2)

IHC (F) (5)

MISC (5)

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