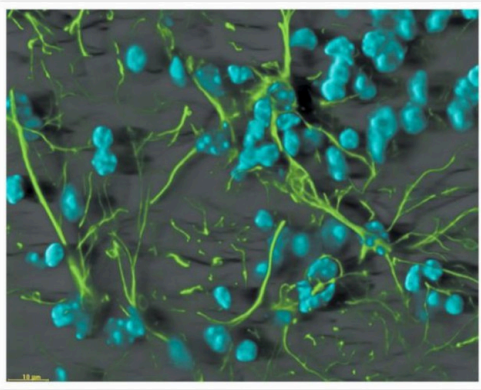


GFAP Monoclonal Antibody (131-17719)

Product Details	
Size	100 µL
Species Reactivity	Human
Published Species	Rat, Non-human primate, Chordate, Human, Mouse
Host/Isotype	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

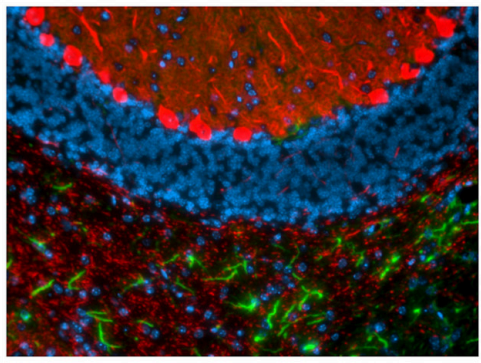
Applications	Tested Dilution	Publications
Western Blot (WB)	-	2 Publications
Immunohistochemistry (IHC)	-	10 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	6 Publications
Immunohistochemistry - Free Floating (IHC (Free))	-	2 Publications
Immunocytochemistry (ICC/IF)	Assay-dependent	9 Publications
Flow Cytometry (Flow)	-	1 Publication
Miscellaneous PubMed (Misc)	-	5 Publications

Product Images For GFAP Monoclonal Antibody (131-17719)



GFAP Antibody (A-21282) in ICC/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 ICC/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)

Western Blot (2)

Neurobiology of aging	Year 2014
Primary cultured astrocytes from old rats are capable to activate the Nrf2 response against MPP+ toxicity after tBHQ pretreatment.	Species Rat
"A-21282 was used in western blot to test if cortical astrocytes derived from old rats respond to tertbuthyl-hydroquinene pretreatment and promote an antioxidant rich environment"	
Authors: Alarcón-Aguilar A,Luna-López A,Ventura-Gallegos JL,Lazzarini R,Galván-Arzate S,González-Puertos VY, Morán J,Santamaría A,Königsberg M	
Journal of neurochemistry	Year 2013
The mood stabilizer valproate activates human FGF1 gene promoter through inhibiting HDAC and GSK-3 activities.	Species Human
"A-21282 was used in western blot to"	Dilution 1:2000
Authors: Kao CY,Hsu YC,Liu JW,Lee DC,Chung YF,Chiu IM	

Immunohistochemistry (10)

The Journal of experimental medicine	Year 2020
Glioma stem-like cells evade interferon suppression through MBD3 /NuRD complex-mediated STAT1 downregulation.	Species Human
"Published figure using GFAP monoclonal antibody (Product # A-21282) in Immunohistochemistry"	Dilution 1:50
Authors: Zhan X,Guo S,Li Y,Ran H,Huang H,Mi L,Wu J,Wang X,Xiao D,Chen L,Li D,Zhang S,Yan X,Yu Y,Li T,Han Q, He K,Cui J,Li T,Zhou T,Rich JN,Bao S,Zhang X,Li A,Man J	

Scientific reports	Year 2019
Longitudinal Functional Assessment of Brain Injury Induced by High-Intensity Ultrasound Pulse Sequences.	Species Mouse
"A-21282 was used in Immunohistochemistry to assess the neuroinflammatory response, behavioural effects and brain micro-electrocorticographic signals in mice following exposure to a train of transcranial pulses above normal clinical parameters."	Dilution 1:500
Authors: Ye M,Solarana K,Rafi H,Patel S,Nabili M,Liu Y,Huang S,Fisher JAN,Krauthamer V,Myers M,Welle C	

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

More applications with references on thermofisher.com

- IHC (P) (2)
- IHC (F) (6)
- IHC (Free) (2)
- ICC/IF (9)
- Flow (1)
- Misc (5)

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