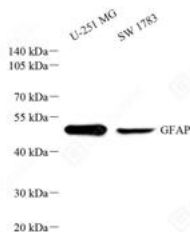


Product name:	GFAP Mouse Monoclonal Antibody
Cat number:	MABS15096
Conjugate:	unconjugated
Size:	100 µL
Clone:	5C10
Concentration:	1mg/ml
Host:	Mouse
Isotype:	IgG1, κ
Immunogen:	KLH conjugated Synthetic peptide corresponding to Mouse GFAP
Reactivity:	Human, Mouse, Rat, Monkey, zebrafish
Applications:	WB 1: 500-1: 1000 IHC: 1: 500-1: 1000 IF 1: 500-1: 1000
Molecular Weight:	49kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	PBS with 0.15% ProClin300, 100 µg/mL BSA and 50% glycerol.
Storage:	Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Synonyms:	GFAP, ALXDRD, glial fibrillary acidic protein, Astrocyte, Intermediate filament protein
Background:	Glial fibrillary acidic protein is an intermediate filament (IF) protein that is expressed by numerous cell types of the central nervous system (CNS) including astrocytes and ependymal cells. GFAP has also been found to be expressed in glomeruli and peritubular fibroblasts taken from rat kidneys Leydig cells of the testis in both hamsters and humans, human keratinocytes, human osteocytes and chondrocytes and stellate cells of the pancreas and liver in rats. It is closely related to its non-epithelial family members, vimentin, desmin, and peripherin, which are all involved in the structure and function of the cell's cytoskeleton.

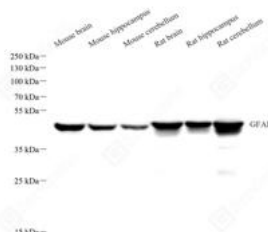
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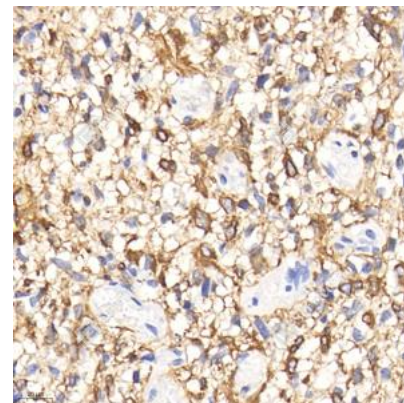
Web-site: <https://immunologicalsciences.com> - E-mail: info@immunologicalsciences.com



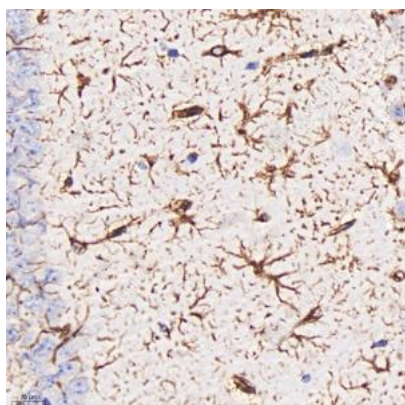
WB analysis of GFAP. Sample: Protein treated by RIPA Lysis Buffer .Blocking buffer: 3% Nonfat dry milk in TBST, RT, 1h. Primary antibody: 1: 1000, 4°C overnight. Secondary antibody: HRP conjugated Goat Anti-Mouse IgG , 1: 5000, RT, 1h.



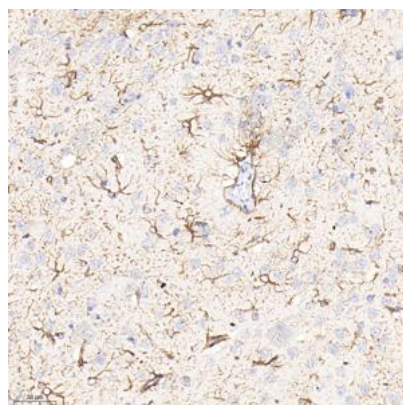
WB analysis of GFAP. Sample: Protein treated by RIPA Lysis Buffer .Blocking buffer: 3% Nonfat dry milk in TBST, RT, 1h. Primary antibody: 1: 1000, 4°C overnight. Secondary antibody: HRP conjugated Goat Anti-Mouse IgG , 1: 5000, RT, 1h.



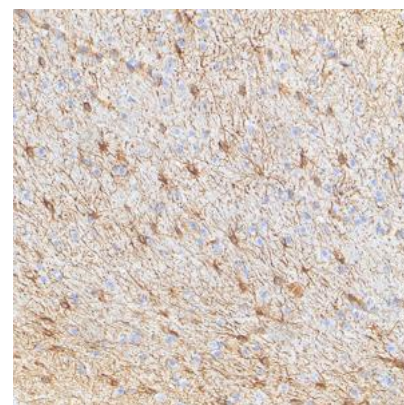
IHC analysis of GFAP. Sample: Human glioblastoma multiforme, 4% PFA 12-24h. Antigen retrieval: Citrate buffer , pressure cooker 2 min. Primary antibody: 1: 500, 4°C overnight. Secondary antibody: HRP conjugated Goat Anti-Mouse IgG , 1: 200, RT, 1h.



IHC analysis of GFAP. Sample: Mouse Brain, 4% PFA 12-24h. Antigen retrieval: Citrate buffer , pressure cooker 2 min. Primary antibody: 1: 500, 4°C overnight. Secondary antibody: HRP conjugated Goat Anti-Mouse IgG , 1: 200, RT, 1h.

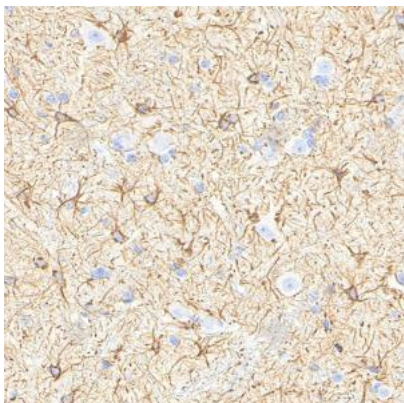


IHC analysis of GFAP. Sample: Rat Brain, 4% PFA 12-24h. Antigen retrieval: Citrate buffer , pressure cooker 2 min. Primary antibody: 1: 500, 4°C overnight. Secondary antibody: HRP conjugated Goat Anti-Mouse IgG , 1: 200, RT, 1h.

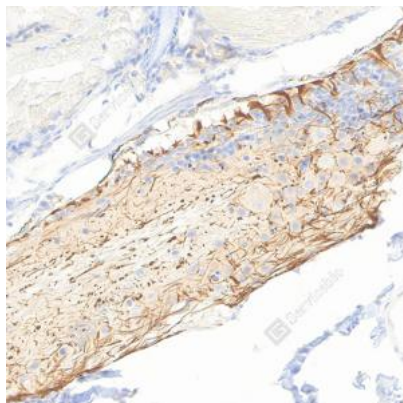


IHC analysis of GFAP. Sample: Monkey brain, 4% PFA 12-24h. Antigen retrieval: Citrate buffer , pressure cooker 2 min. Primary antibody: 1: 500, 4°C overnight. Secondary antibody: HRP conjugated Goat Anti-Mouse IgG , 1: 200, RT, 1h.

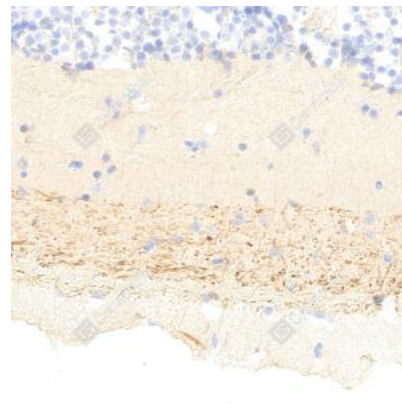
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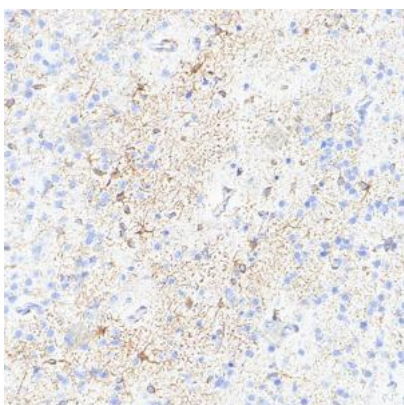
IHC analysis of GFAP. Sample: Monkey spinal marrow, 4% PFA 12-24h. Antigen retrieval: Citrate buffer , pressure cooker 2 min. Primary antibody: 1: 500, 4°C overnight. Secondary antibody: HRP conjugated Goat Anti-Mouse IgG , 1: 200, RT, 1h.



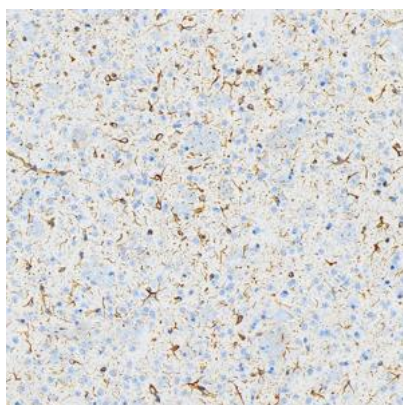
IHC analysis of GFAP. Sample: zebrafish Nerve, 4% PFA 12-24h. Antigen retrieval: Citrate buffer , pressure cooker 2 min. Primary antibody: 1: 500, 4°C overnight. Secondary antibody: HRP conjugated Goat Anti-Mouse IgG , 1: 200, RT, 1h.



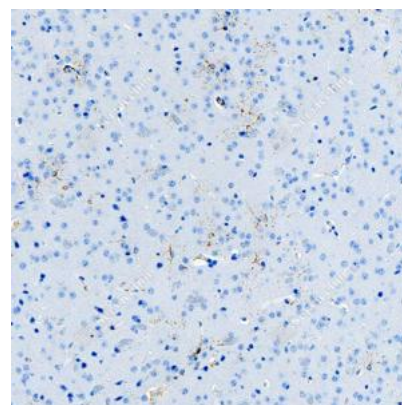
IHC analysis of GFAP. Sample: zebrafish brain, 4% PFA 12-24h. Antigen retrieval: Citrate buffer , pressure cooker 2 min. Primary antibody: 1: 500, 4°C overnight. Secondary antibody: HRP conjugated Goat Anti-Mouse IgG , 1: 200, RT, 1h.



IHC analysis of GFAP. Sample: Monkey brain, 4% PFA 12-24h. Antigen retrieval: Citrate buffer , pressure cooker 2 min. Primary antibody: 1: 500, 4°C overnight. Secondary antibody: HRP conjugated Goat Anti-Mouse IgG , 1: 200, RT, 1h.

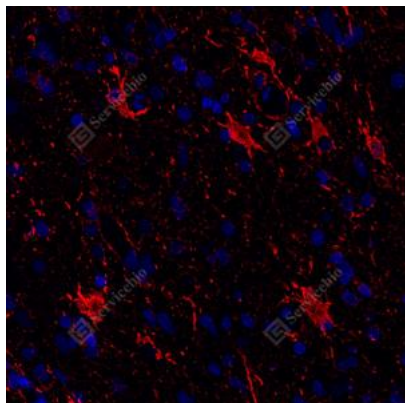


IHC analysis of GFAP. Sample: Mouse striatum, 4% PFA 12-24h. Antigen retrieval: Citrate buffer , pressure cooker 2 min. Primary antibody: 1: 500, 4°C overnight. Secondary antibody: HRP conjugated Goat Anti-Mouse IgG , 1: 200, RT, 1h.

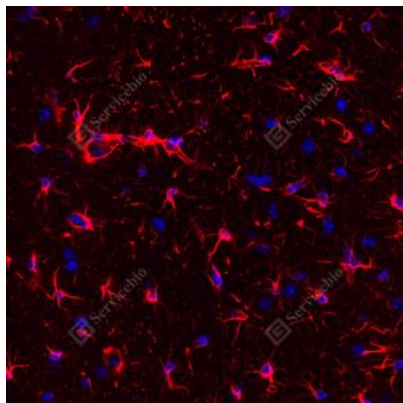


IHC analysis of GFAP. Sample: Mouse striatum, 4% PFA 12-24h. Antigen retrieval: Citrate buffer , pressure cooker 2 min. Primary antibody: 1: 500, 4°C overnight. Secondary antibody: HRP conjugated Goat Anti-Mouse IgG , 1: 200, RT, 1h.

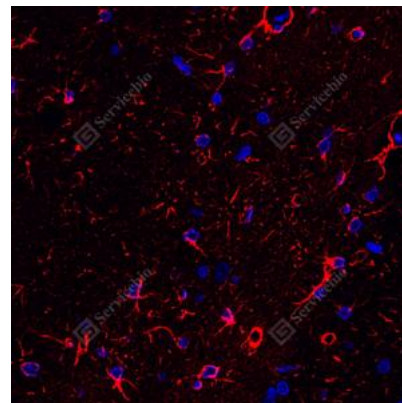
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IF analysis of GFAP red. Sample: Human glioblastoma multiforme, 4% PFA 12-24h. Antigen retrieval: Citrate buffer, pressure cooker 2 min. Blocking buffer: 3% BSA in PBS, RT, 30min. Primary antibody: 1: 500, 4°C overnight. Secondary antibody: Cy3 conjugated Goat Anti-Mouse IgG, 1: 300, RT, 1h.



IF analysis of GFAP red. Sample: Mouse brain, 4% PFA 12-24h. Antigen retrieval: Citrate buffer, pressure cooker 2 min. Blocking buffer: 3% BSA in PBS, RT, 30min. Primary antibody: 1: 500, 4°C overnight. Secondary antibody: Cy3 conjugated Goat Anti-Mouse IgG, 1: 300, RT, 1h.



IF analysis of GFAP red. Sample: Rat brain, 4% PFA 12-24h. Antigen retrieval: Citrate buffer, pressure cooker 2 min. Blocking buffer: 3% BSA in PBS, RT, 30min. Primary antibody: 1: 500, 4°C overnight. Secondary antibody: Cy3 conjugated Goat Anti-Mouse IgG, 1: 300, RT, 1h.