

**ARG10122**  
anti-GFAP antibody [GF5]Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [GF5] recognizes Glial Fibrillary Acidic Protein (GFAP)
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, ICC/IF, IHC-Fr, WB
Specificity	This antibody is specific for Human GFAP. There is no cross-reactivity with other neurospecific proteins.
Host	Mouse
Clonality	Monoclonal
Clone	GF5
Isotype	IgG2b
Target Name	GFAP
Species	Human
Immunogen	43-45 kD band corresponding to GFAP in immunoblotting of extract from human brain and spinal cord.
Conjugation	Un-conjugated
Alternate Names	Glial fibrillary acidic protein; ALXDRD; GFAP

### Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	ICC/IF	1:100 - 1:1000
	IHC-Fr	1:100 - 1:1000
	WB	1:250 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Protein G affinity purified
Buffer	PBS (pH 7.4) and 0.1% Sodium azide
Preservative	0.1% Sodium azide
Concentration	1.0-2.0 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

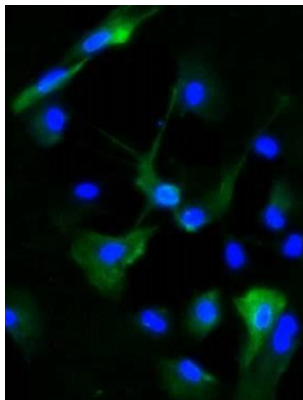
before use.

Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

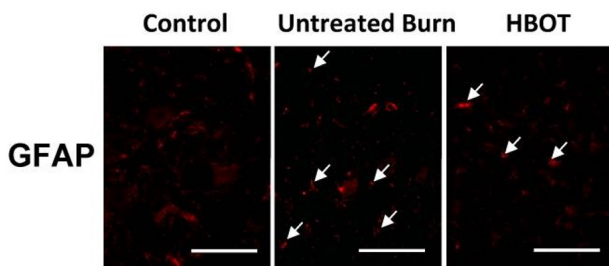
Gene Symbol	GFAP
Gene Full Name	glial fibrillary acidic protein
Background	GFAP is one of the major intermediate filament proteins of mature astrocytes. It is used as a marker to distinguish astrocytes from other glial cells during development. Mutations in this gene cause Alexander disease, a rare disorder of astrocytes in the central nervous system. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Oct 2008]
Function	GFAP is a class-III intermediate filament. It is a cell-specific marker that, during the development of the central nervous system, distinguishes astrocytes from other glial cells. [UniProt]
Highlight	Related Antibody Duos and Panels: <a href="#">ARG30304 Astrocyte Maturation / Muller Cell Marker Antibody Duo (GFAP, Vimentin)</a> <a href="#">ARG30315 Brain Injury IHC Marker Antibody Duo (GFAP, MMP9)</a> Related products: <a href="#">GFAP antibodies</a> ; <a href="#">GFAP Duos / Panels</a> ; <a href="#">Anti-Mouse IgG secondary antibodies</a> ; Related news: <a href="#">Microglial help TAM-ing inflammation in the brain</a> <a href="#">Astrocyte-to-neuron conversion for Parkinson's disease treatment</a>
Research Area	Controls and Markers antibody; Developmental Biology antibody; Neuroscience antibody; Signaling Transduction antibody; Astrocyte Marker antibody; Astrocyte Maturation Marker antibody; Neuroinflammation antibody; Brain Injury IHC Study antibody
Calculated Mw PTM	50 kDa Phosphorylated by PKN1.

## Images



ARG10122 anti-GFAP antibody [GF5] ICC/IF image

Immunofluorescence: Rat astrocyte primary cell stained with ARG10122 anti-GFAP antibody [GF5] (green) at 1:200 dilution. Cell nuclei was stained with DAPI (blue).



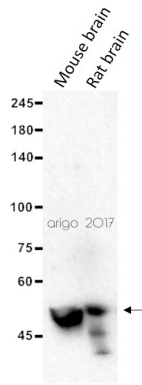
ARG10122 anti-GFAP antibody [GF5] IHC-Fr image

Immunohistochemistry: Rat ventral horn of spinal cord stained with ARG10122 anti-GFAP antibody [GF5] at 1: 500 dilution.

From Chin-An Chen et al. Int J Med Sci. (2021), [doi: 10.7150/ijms.65976](https://doi.org/10.7150/ijms.65976), Fig. 4A.

ARG10122 anti-GFAP antibody [GF5] WB image

Western blot: 20 µg of Mouse brain and Rat brain lysates stained with ARG10122 anti-GFAP antibody [GF5] at 1:500 dilution.



ARG10122 anti-GFAP antibody [GF5] WB image

Western blot: 30 µg of Rat brain lysate stained with ARG10122 anti-GFAP antibody [GF5] at 1:500 dilution.

