

ARG11126 anti-GFAP antibody [5C10]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [5C10] recognizes GFAP
Tested Reactivity	Hu, Ms, Rat, Hrs, Pig
Predict Reactivity	Cow
Tested Application	ICC/IF, IHC-Fr, WB
Host	Mouse
Clonality	Monoclonal
Clone	5C10
Isotype	IgG1
Target Name	GFAP
Species	Pig
Immunogen	Purified pig spinal cord GFAP.
Conjugation	Un-conjugated
Alternate Names	Glial fibrillary acidic protein; ALXDRD; GFAP

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:1000
	IHC-Fr	1:1000
	WB	1:5000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 50 kDa	

Properties

Form	Liquid
Purification	Purified
Buffer	PBS, 5 mM Sodium azide and 50% Glycerol.
Preservative	5 mM Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

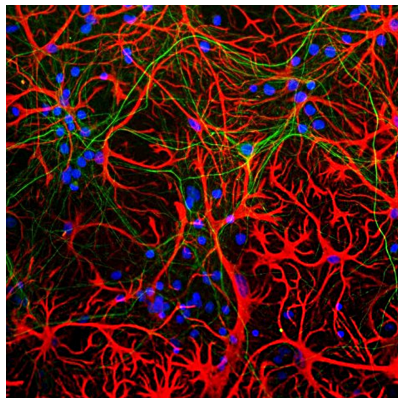
and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

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

Bioinformation

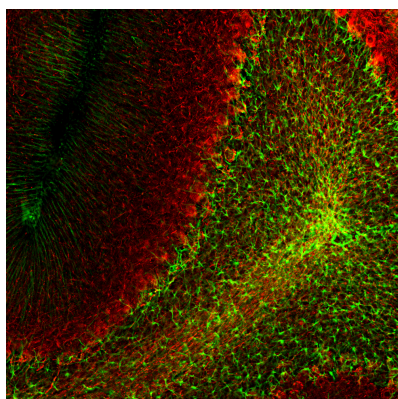
Gene Symbol	GFAP
Gene Full Name	glial fibrillary acidic protein
Background	This gene encodes one of the major intermediate filament proteins of mature astrocytes. It is used as a marker to distinguish astrocytes from other glial cells during development. Mutations in this gene cause Alexander disease, 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, a class-III intermediate filament, is a cell-specific marker that, during the development of the central nervous system, distinguishes astrocytes from other glial cells. [UniProt]
Calculated Mw	50 kDa
PTM	Phosphorylated by PKN1. [UniProt]
Cellular Localization	Cytoplasm. Note=Associated with intermediate filaments. [UniProt]

Images



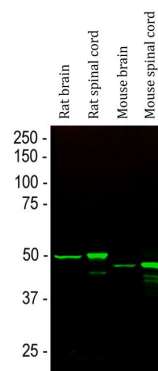
ARG11126 anti-GFAP antibody [5C10] ICC/IF image

Immunofluorescence: E20 rat cortical neuron-glial cells stained with ARG11126 anti-GFAP antibody [5C10] (red) at 1:1000 dilution, and co-stained with anti-Neurofilament NF-L antibody (red) at 1:2000 dilution. DAPI (blue) for nuclear staining.



ARG11126 anti-GFAP antibody [5C10] IHC-Fr image

Immunohistochemistry: Frozen section of Rat cerebellum tissue stained with ARG11126 anti-GFAP antibody [5C10] (green) at 1:1000 dilution, and co-stained with [ARG10732](#) anti-Neurofilament NF-L antibody (red) at 1:2000 dilution. (Sample preparation: Following transcardial perfusion with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45 µM, and free-floating sections were stained with antibodies.).



ARG11126 anti-GFAP antibody [5C10] WB image

Western blot: Rat brain, Rat spinal cord, Mouse brain and Mouse spinal cord lysates stained with ARG11126 anti-GFAP antibody [5C10] at 1:2000 dilution.