

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 |

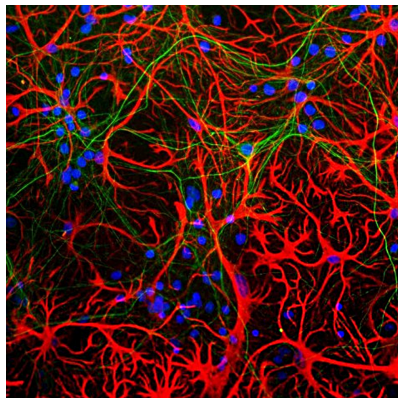
and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

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

Bioinformation

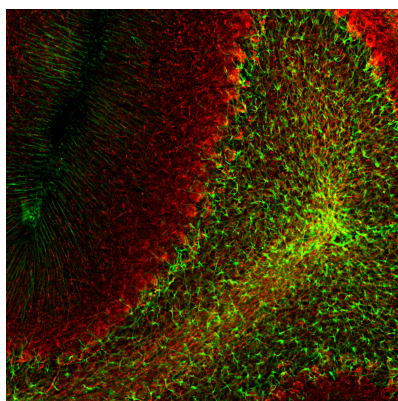
| | |
|-----------------------|--|
| Gene Symbol | GFAP |
| Gene Full Name | glial fibrillary acidic protein |
| Background | This gene encodes one of the major intermediate filament proteins of mature astrocytes. It is used as a marker to distinguish astrocytes from other glial cells during development. 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-glia 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.

