

ARG11118 anti-GFAP antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes GFAP
Tested Reactivity	Hu, Ms, Rat, Cow
Tested Application	IHC-Fr, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	GFAP
Species	Human
Immunogen	Recombinant full-length Human GFAP isotype 1.
Conjugation	Un-conjugated
Alternate Names	Glial fibrillary acidic protein; ALXDRD; GFAP

Application Instructions

Application table	Application	Dilution
	IHC-Fr	1:5000
	WB	1:5000

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

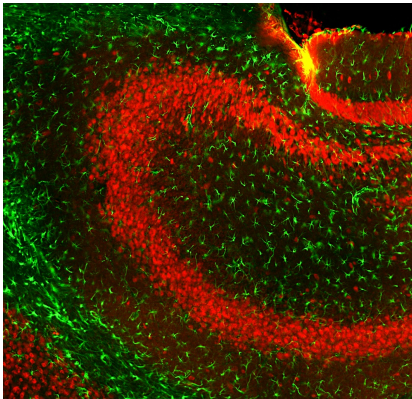
Properties

Form	Liquid
Purification	Affinity 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

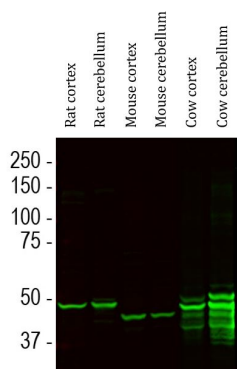
Gene Symbol	GFAP
Gene Full Name	glial fibrillary acidic protein
Background	This gene encodes one of the major intermediate filament proteins of mature astrocytes. It is used as a marker to distinguish astrocytes from other glial cells during development. Mutations in this gene cause Alexander disease, 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



ARG11118 anti-GFAP antibody IHC-Fr image

Immunohistochemistry: Frozen section of Mouse hippocampus tissue stained with ARG11118 anti-GFAP antibody (green) at 1:5000 dilution, and co-stained with [ARG52283](#) anti-FOX3 / NeuN antibody [1B7] (red) at 1:2000 dilution. Hoechst (blue) for nuclear staining. (Sample preparation: Following transcardial perfusion of mouse with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45 μ M, and free-floating sections were stained with above antibodies.).



ARG11118 anti-GFAP antibody WB image

Western blot: Rat cortex, Rat cerebellum, Mouse cortex, Mouse cerebellum, Cow cortex and Cow cerebellum lysates stained with ARG11118 anti-GFAP antibody at 1:5000 dilution.

Strong band at about 50 kDa corresponds to GFAP protein. Smaller proteolytic fragments of GFAP are also detected on the blot.