ARG55954
anti-GFAP antibody [GA-5]

Package: 50 μg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [GA-5] recognizes GFAP
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	GA-5
Isotype	IgG1
Target Name	GFAP
Species	Pig
Immunogen	GFAP isolated from Pig spinal cord.
Conjugation	Un-conjugated
Alternate Names	Glial fibrillary acidic protein; ALXDRD; GFAP

Application Instructions

Application table	Application	Dilution
	FACS	1 - 2 μg/10^6 cells
	IHC-P	2 - 5 μg/ml
	WB	1 - 2 μg/ml
Application Note	IHC-P: Antigen Retrieval: Boil tissue section in 10 mM Citrate buffer (pH 6.0) for 10-20 min, followed by cooling at RT for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

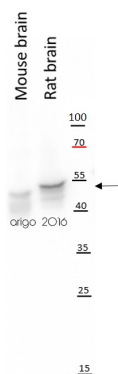|	
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.05% Sodium azide and 0.1 mg/ml BSA
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term 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 products:
	GFAP antibodies; GFAP Duos / Panels; Anti-Mouse IgG secondary antibodies;
	Related news:
	Astrocyte-to-neuron conversion for Parkinson's disease treatment
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	50 kDa
PTM	Phosphorylated by PKN1.
Cellular Localization	Cytoplasmic

Images

ARG55954 anti-GFAP antibody [GA-5] WB image

Western blot: 20 µg of Mouse brain and Rat brain lysates stained with ARG55954 anti-GFAP antibody [GA-5] at 1:1000 dilution.
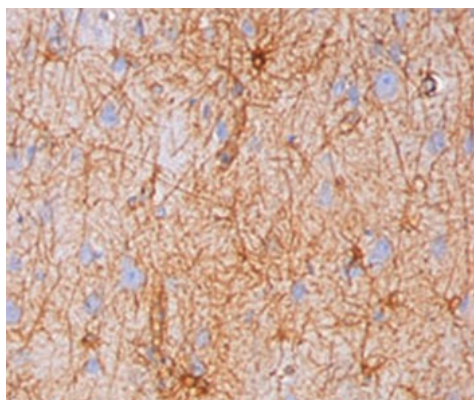
ARG55954 anti-GFAP antibody [GA-5] IHC-P image

Immunohistochemistry: Human brain stained with ARG55954 anti-GFAP antibody [GA-5]. Note cytoplasmic staining.
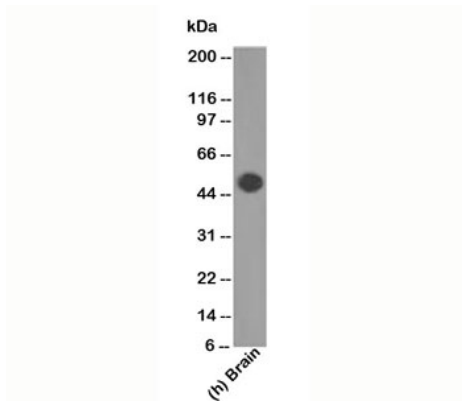
ARG55954 anti-GFAP antibody [GA-5] WB image

Western blot: Human brain lysate stained with ARG55954 anti-GFAP antibody [GA-5].

arigo. nuts about antibodies