

Anti-GFAP Antibody (Monoclonal, G-A-5)

Overview

Product Name	Anti-GFAP Antibody (Monoclonal, G-A-5)
Description	Mouse IgG monoclonal antibody for GFAP, glial fibrillary acidic protein (GFAP) detection. Tested with WB, IHC-P, IHC-F in Human;pig;rat. No cross reactivity with other proteins.
Host	Mouse
Target Species	Human, Pig, Rat
Application	IHC-P, IHC-F, WB
Immunogen	GFAP from pig spinal cord.
Specificity	No cross reactivity with other proteins
Size	100µg/vial
Catalog #	MO45001

Background for Glial fibrillary acidic protein

Glial fibrillary acidic protein(GFAP) is an intermediate filament protein of 52Kda. GFAP gene is mapped to human 17q21. GFAP is a useful marker of astroglia in the brain. Mutations in GFAP, encoding glial fibrillary acidic protein, are associated with Alexander disease.

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Properties

Clonality	Monoclonal
Clone Number	G-A-5
Form	Lyophilized
Contents	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative. *carrier free antibody available upon request.
Reconstitution	Add 1ml of PBS buffer will yield a concentration of 100ug/ml.
Storage	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquoted and stored frozen at -20°C for a longer time .Avoid repeated freezing and thawing.
Purification	Ascites

Application Details

Application	Concentration*	Tested Species	Predicted Species	Antigen Retrieval
Western blot	0.5-1µg/ml	Human, pig, rat	-	
Immunohistochemistry(Paraffinembedded Section)	0.4-1µg/ml	Human, pig, rat	-	By Heat
Immunohistochemistry(Frozen Section)	0.5-1µg/ml	Human, pig, rat	-	

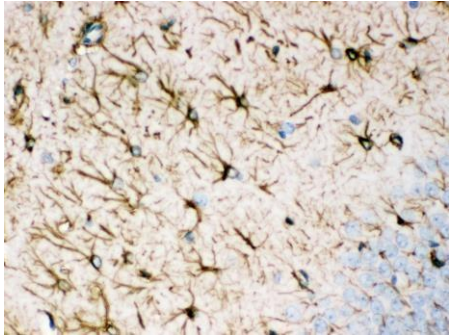
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Protein Target Info (Source: Uniprot.org)

Gene Name	GFAP
Protein Name	Glial fibrillary acidic protein
Gene Full Name	glial fibrillary acidic protein
Protein 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.
Tissue Specificity	Expressed in cells lacking fibronectin.
Sequence Similarities	Belongs to the intermediate filament family.
Subcellular Localization	Cytoplasm.
Uniprot ID	Human(P14136) , Mouse(P03995) , Rat(P47819)
Alternative Names	GFAP, Glial fibrillary acidic protein, glial fibrillary acidic protein

Anti-GFAP Antibody (Monoclonal, G-A-5) Images



Anti- GFAP antibody, MO45001, IHC(P)
IHC(P): Rat Brain Tissue

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