CoraLite® Plus 488-conjugated GFAP Monoclonal antibody

Catalog Number:CL488-60190 7 Publications



CL488-60190	BC013596	F	Protein A purification
Size:	GenelD (NCBI): 2670		CloneNo.: 4B2E10
100ul , Concentration: 1000 ug/ml by Nanodrop; Source: Mouse			
	UNIPROT ID:		Recommended Dilutions:
			IF-P: 1:50-1:500
	glial fibrillary acidic protein Calculated MW: 432 aa, 50 kDa		excitation/Emission maxima vavelengths:
lgG2a			93 nm / 522 nm
Immunogen Catalog Number: AG10452			
Tested Applications:	Positive Controls: IF-P : mouse brain tissue,		
Cited Applications: IF			
Species Specificity: human, mouse, rat, pig			
Cited Species: mouse, rat			
proposed as playing a role in cell mi expressed in central nervous system marker. However, GFAP is also presse lymphocytes, and liver stellate cells in the rod and tail domains (PMID: 22 varies during the development and a reactive astrocytes. Intermediate file have been identified in GFAP protein 21219963). GFAP localizes to interm	gration, cell motility, m cells, predominantly ir nt in peripheral glia an (PMID: 21219963). Astr 5726916), which means across different subtype ament proteins are regun, at least some of whic ediate filaments and st	naintaining mecha n astrocytes. GFAP nd in non-CNS cell: rocytes express 10 that they differ in es of astrocytes. No ulated by phospho h are reported to c	anical strength, and in mitosis. GFAP is commonly used as an astrocyte s, including fibroblasts, chondrocytes different isoforms of GFAP that diffe molecular size. Isoform expression of all isoforms are upregulated in rylation. Six phosphorylation sites control filament assembly (PMID:
Author Du	hmed ID Journ		Application
			IF
			IF
			IF
Storage: Store at -20°C. Avoid exposure to lig Storage Buffer:	ht. Stable for one year a	after shipment.	
	100ul, Concentration: 1000 ug/ml by Nanodrop; Source: Mouse Isotype: IgG2a Immunogen Catalog Number: AG10452 Tested Applications: IF-P Cited Applications: IF Species Specificity: human, mouse, rat, pig Cited Species: mouse, rat GFAP (Glial fibrillary acidic protein) system (CNS). GFAP is one of the ma proposed as playing a role in cell mi expressed in central nervous system marker. However, GFAP is also prese lymphocytes, and liver stellate cells in the rod and tail domains (PMID: 22 varies during the development and a reactive astrocytes. Intermediate filt have been identified in GFAP proteii 21219963). GFAP localizes to interm is conjugated with CL488, Ex/Em 483 Author Pul Dawei Sun 344 Hongyan Jiang 344 Naseer A Kutchy 355	100ul, Concentration: 1000 ug/ml by 2670 Nanodrop; UNIPROT ID: Source: P14136 Mouse Full Name: Isotype: glial fibrillary acidic IgG2a Calculated MW: Immunogen Catalog Number: 432 aa, 50 kDa AG10452 Tested Applications: IF-P Cited Applications: IF Species Specificity: human, mouse, rat, pig Cited Species: mouse, rat GFAP (Glial fibrillary acidic protein) is a type III intermedia system (CNS). GFAP is one of the main components of the in proposed as playing a role in cell migration, cell motility, n expressed in central nervous system cells, predominantly in marker. However, GFAP is also present in peripheral glia ar lymphocytes, and liver stellate cells (PMID: 21219963). Asti in the rod and tail domains (PMID: 25726916), which means varies during the development and across different subtype reactive astrocytes. Intermediate filament proteins are reginave been identified in GFAP protein, at least some of whic 21219963). GFAP localizes to intermediate filaments and si is conjugated with CL488, Ex/Em 488 nm/515 nm. Author Pubmed ID Journ Dawei Sun 34487578 J New Hongyan Jiang 34289379 Brain Naseer A Kutchy 35462907 Front	100ul, Concentration: 1000 ug/ml by 2670 4 Nanodrop; UNIPROT ID: R Source: P14136 III Mouse Full Name: E Isotype: glial fibrillary acidic protein W IgG2a Calculated MW: 4 Immunogen Catalog Number: 432 aa, 50 kDa AG10452 Tested Applications: Positive Control IF-P IF-P: mouse bra IF-P: mouse bra Cited Applications: IF Species Specificity: human, mouse, rat, pig Cited Species: mouse, rat Gited Specificity: human, mouse, rat, pig Cited Species: mouse, rat Gited Species: mouse, rat Storget in centa nervous system cells, predominantly in astrocytes. GFAP Mandard in the rod and tail domains (PMID: 25726916), which means that they differ in varies during the development and across different subtypes of astrocytes. No reactive astrocytes. Intermediate filament proteins are regulated by phosphor have been identified in GFAP protein, at least some of which are reported to o 21219963). GFAP localizes to intermediate filament proteins are regulated by phosphor have been identified in GFAP protein, at least some of which are reported to o<

For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)E: proteintech@ptglab.comW: ptglab.comW: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data





Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using CoraLite® Plus 488 GFAP antibody (CL488-60190, Clone: 4B2E10) at dilution of 1:100. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite® Plus 488 GFAP antibody (CL488-60190, Clone: 4B2E10) at dilution of 1:200.