For Research Use Only

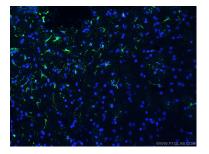
CoraLite® Plus 488-conjugated GFAP proteintech Antibodies | ELISA kits | Proteins Monoclonal antibody www.ptglab.com

Catalog Number:CL488-60190 4 Publications

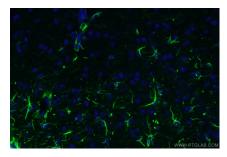
Basic Information	Catalog Number: CL488-60190	GenBank Accession Number: BC013596	Purification Method: Protein A purification
	Size:	GeneID (NCBI):	CloneNo.:
	1000 µg/ml	2670	4B2E10
	Source:	UNIPROT ID:	Recommended Dilutions:
	Mouse	P14136	IF 1:50-1:200
	Isotype: IgG2a	Full Name: glial fibrillary acidic protein	Excitation/Emission maxima wavelengths:
	Immunogen Catalog Number: AG10452	Calculated MW: 432 aa, 50 kDa	493 nm / 522 nm
Applications	Tested Applications:	ntra), IF/ICC IF : mouse brain tissue,	
	Cited Applications:		
	IF Species Specificity: human, mouse, rat, pig		
	Cited Species: mouse, rat		
	This antibody is not recommended for immunocytofluorescent assays. It is not suitable for frozen sections.		
Background Information	GFAP (Glial fibrillary acidic prote system (CNS). GFAP is one of the proposed as playing a role in cell expressed in central nervous syst marker. However, GFAP is also pp lymphocytes, and liver stellate c in the rod and tail domains (PMID varies during the development a reactive astrocytes. Intermediate have been identified in GFAP pro	ein) is a type III intermediate filamer main components of the intermediat I migration, cell motility, maintaining tem cells, predominantly in astrocyte resent in peripheral glia and in non-C ells (PMID: 21219963). Astrocytes exp 0: 25726916), which means that they and across different subtypes of astroc e filament proteins are regulated by p otein, at least some of which are repor ermediate filaments and stains well i	e filament network in astrocytes and has be g mechanical strength, and in mitosis. GFAP s. GFAP is commonly used as an astrocyte NS cells, including fibroblasts, chondrocytes oress 10 different isoforms of GFAP that diff differ in molecular size. Isoform expression ytes. Not all isoforms are upregulated in hosphorylation. Six phosphorylation sites ted to control filament assembly (PMID:
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

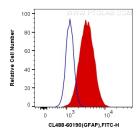
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CL488-60190 (GFAP antibody) at dilution of 1:100.



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CL488-60190 (GFAP antibody) at dilution of 1:100.



1X10^6 Jurkat cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human GFAP (CL488-60190, Clone:4B2E10) (red), or 0.4 ug Mouse IgG2a Isotype Control (CL488-66360-2, Clone: K11A1B2A2) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).