

Nur für Forschungszwecke

GFAP Monoklonaler Antikörper

Katalog-Nr.:CL488-60190

4 Publikationen



Allgemeine Informationen

Katalog-Nr.: CL488-60190	GenBank-Zugangsnummer: BC013596	Reinigungsmethode: Protein-A-Reinigung
Größe: 100ul , Konzentration: 1000 µg/ml von2670 Nanodrop;	GeneID (NCBI): Vollständiger Name: glial fibrillary acidic protein	CloneNo.: 4B2E10
Wirt: Maus	Berechnete Masse: 432 aa, 50 kDa	Empfohlene Verdünnungen: IF 1:50-1:200
Isotyp: IgG2a	Immunogen Katalognummer: AG10452	Anregungs-/Emissionsmaxima-Wellenlängen: 493 nm / 522 nm

Anwendungen

Geprüfte Anwendungen: FC (Intra), IF	Positivkontrollen: IF : Maushirngewebe,
In Publikationen genannte Anwendungen: IF	
Getestete Reaktivität: Hausschwein, Human, Maus, Ratte	
Zitierte Arten: Maus, Ratte	

Hintergrundinformationen

GFAP (Glial fibrillary acidic protein) is a type III intermediate filament (IF) protein specific to the central nervous system (CNS). GFAP is one of the main components of the intermediate filament network in astrocytes and has been proposed as playing a role in cell migration, cell motility, maintaining mechanical strength, and in mitosis. GFAP is expressed in central nervous system cells, predominantly in astrocytes. GFAP is commonly used as an astrocyte marker. However, GFAP is also present in peripheral glia and in non-CNS cells, including fibroblasts, chondrocytes, lymphocytes, and liver stellate cells (PMID: 21219963). Astrocytes express 10 different isoforms of GFAP that differ in the rod and tail domains (PMID: 25726916), which means that they differ in molecular size. Isoform expression varies during the development and across different subtypes of astrocytes. Not all isoforms are upregulated in reactive astrocytes. Intermediate filament proteins are regulated by phosphorylation. Six phosphorylation sites have been identified in GFAP protein, at least some of which are reported to control filament assembly (PMID: 21219963). GFAP localizes to intermediate filaments and stains well in astrocyte cellular processes. This antibody is conjugated with CL488, Ex/Em 488 nm/515 nm.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Dawei Sun	34487578	J Neurosci Res	IF
Hongyan Jiang	34289379	Brain Res	IF
Naseer A Kutchy	35462907	Front Pharmacol	IF

Lagerung

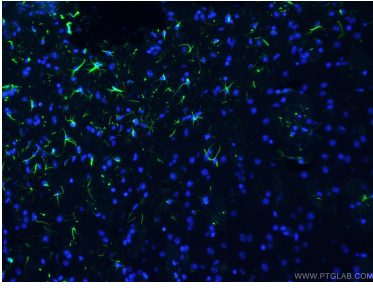
Lagerungsbedingungen:
Bei -20°C lagern. Vor Licht schützen. Nach dem Versand ein Jahr stabil.
Lagerungspuffer:
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

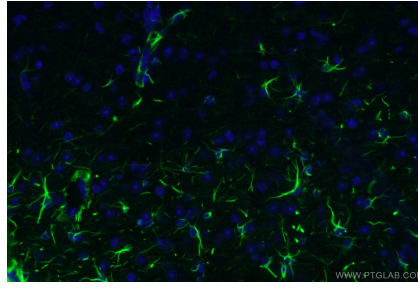
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

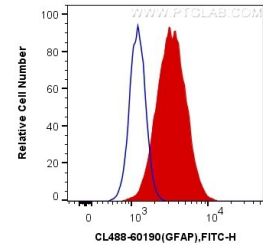
Ausgewählte Validierungsdaten



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.



1×10^6 Jurkat cells were intracellularly stained with 0.4 μ g CoraLite® Plus 488 Anti-Human GFAP (CL488-60190, Clone:4B2E10) (red), or 0.4 μ g 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).