

For Research Use Only

CoraLite®594-conjugated GFAP Polyclonal antibody



Catalog Number: CL594-23935

Featured Product

Basic Information

| | | |
|---|--|---|
| Catalog Number: CL594-23935 | GenBank Accession Number: BC013596 | Purification Method: Antigen affinity purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 2670 | Recommended Dilutions: IF 1:50-1:500 |
| Source: Rabbit | Full Name: glial fibrillary acidic protein | Excitation/Emission maxima wavelengths: 593 nm / 614 nm |
| Isotype: IgG | Calculated MW: 432 aa, 50 kDa | |
| Immunogen Catalog Number: AG20853 | Observed MW: 45-50 kDa | |

Applications

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|--|---|
| Tested Applications: IF | Positive Controls: IF : mouse brain tissue, |
| Species Specificity: human, mouse, rat | |

Background Information

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).

Storage

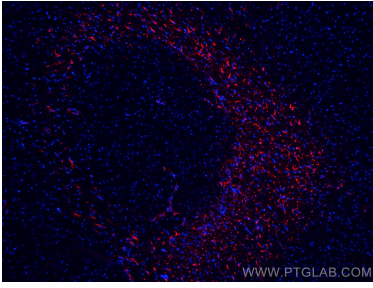
Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 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)
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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 CoraLite® 594 GFAP antibody (CL594-23935) at dilution of 1:200.