For Research Use Only

CoraLite® Plus 488-conjugated GFAP Polyclonal antibody

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Antibodies | ELISA kits | Proteins
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Catalog Number:CL488-23935 Featured Product

Basic Information

Catalog Number:
CL488-23935

Size:
100ul , Concentration: 1000 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG20853

GenBank Accession Number:
BC013596

GeneID (NCBI):
2670

UNIPROT ID:
P14136

Full Name:
glial fibrillary acidic protein

Calculated MW:
432 aa, 50 kDa

Observed MW:
45-50 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IF 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF

Species Specificity:
human, mouse, rat

Positive Controls:

IF : rat brain tissue,

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).

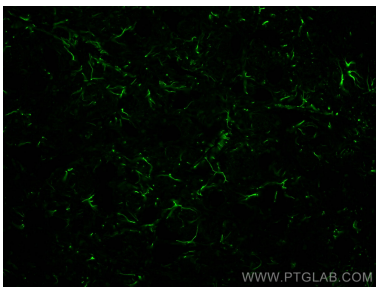
Storage

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

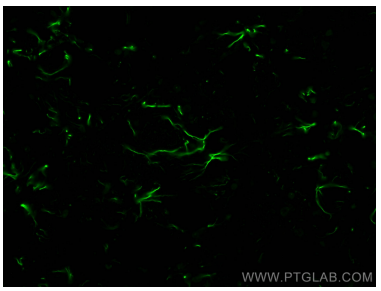
***** 20ul sizes contain 0.1% BSA**

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)
E: proteintech@ptglab.com
W: ptglab.com

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded rat brain tissue using CoraLite® Plus 488 GFAP antibody (CL488-23935) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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