

For Research Use Only

CoraLite® Plus 488-conjugated GFP tag Polyclonal antibody



Catalog Number: CL488-50430

Basic Information

Catalog Number:

CL488-50430

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2128

GenBank Accession Number:

U73901

GeneID (NCBI):

Full Name:

Calculated MW:

26 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-P

Species Specificity:

aequorea victoria, recombinant protein

Positive Controls:

IF : mouse brain tissue,

Background Information

Green Fluorescent Proteins (GFPs) encompass a diverse range of proteins carrying a green chromophore, originating from various species and forming different protein lineages. Wildtype GFP consists of 238 amino acid residues (26.9 kDa). GFP was first identified in the jellyfish *Aequorea victoria*. It emits green light with a peak wavelength of 509 nm upon excitation by blue light at 395 nm. When fused with other proteins, GFP serves as a versatile reporter protein e.g. for quantifying expression levels or facilitates visualization of subcellular localization through fluorescence microscopy. This antibody is a rabbit polyclonal antibody, generated against the full-length eGFP protein. It exhibits reactivity towards variants of *Aequorea victoria* GFP, including S65T-GFP, RS-GFP, YFP, CFP, and eGFP. This antibody is labeled with CoraLite Plus 488.

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

For technical support and original validation data for this product please contact:

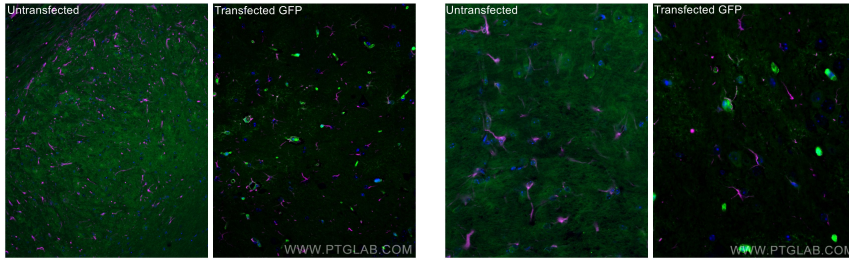
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using CoraLite® Plus 488 GFP tag antibody (CL488-50430) at dilution of 1:200, GFAP antibody (60190-1-1g, Clone: 4B2E10, Magenta). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

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