

For Research Use Only

CoraLite® Plus 488-conjugated aequorea victoria GFP tag Polyclonal antibody



Catalog Number: **CL488-50430**

Basic Information

Catalog Number: CL488-50430	GenBank Accession Number: U73901	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): Full Name:	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Calculated MW: 26 kDa	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG		
Immunogen Catalog Number: AG2128		

Applications

Tested Applications: IF	Positive Controls: IF : mouse brain tissue,
Species Specificity: aequorea victoria, recombinant protein	

Background Information

Protein tags are protein or peptide sequences located either on the C- or N- terminal of the target protein, which facilitates one or several of the following characteristics: solubility, detection, purification, localization and expression. Green fluorescence protein(GFP) is a protein composed of 238 amino acid residues(26.9kDa) derived from the Jellyfish Aequorea victoria, which emits green light(emission peak at 509nm) when excited by blue light(excitation peak at 395nm). GFP has become an invaluable tool in cell biology research, since its intrinsic fluorescence can be visualized in living cells. EGFP contains the double-amino-acid substitutions Phe-64 to Leu and Ser-65 to Thr(previously published as GFPmut1; PMID: 8707053). In contrast to wtGFP, EGFP has a single, strong, red-shifted excitation peak at 488nm. GFPmut1 fluoresces 35-fold more intensely than wtGFP when excited at 488nm, due to an increase in its extinction coefficient(Em). This antibody is a rabbit polyclonal antibody raised against full-length eGFP and reactive against all variants of Aequorea victoria GFP such as S65T-GFP, RS-GFP, YFP, CFP and eGFP.

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

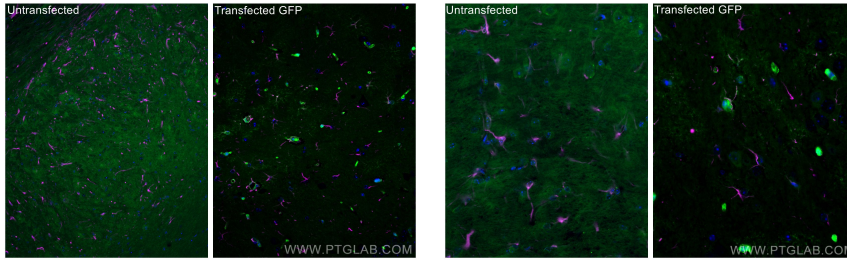
For technical support and original validation data for this product please contact:

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

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