

For Research Use Only

CoraLite® Plus 488-conjugated PEG3 Recombinant antibody

Catalog Number: CL488-84030-5



Basic Information

Catalog Number:

CL488-84030-5

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG20132

GenBank Accession Number:

BC150272

GeneID (NCBI):

5178

UNIPROT ID:

Q9GZU2

Full Name:

paternally expressed 3

Calculated MW:

1588 aa, 181 kDa

Purification Method:

Protein A purification

CloneNo.:

241234C5

Recommended Dilutions:

FC (Intra): 0.25 µg per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

Positive Controls:

FC (Intra) : HepG2 cells,

Background Information

Paternally expressed 3 (PEG3) was responsible for Kras/Erk- and mTOR-driven HCC (hepatocellular carcinoma) (PMID: 36451866). PEG3 can regulate the physiological processes related to energy homeostasis found in multiple tissues, such as the brain, testis, ovary, and placenta (PMID: 32729618). Epigenetic silencing and loss of imprinting of PEG3 are implicated in glioma tumorigenesis (PMID: 32231463).

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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

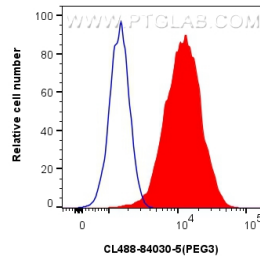
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1×10^6 HepG2 cells were intracellularly stained with 0.25 μ g CoraLite® Plus 488 Peg3 Recombinant Antibody (CL488-84030-5, Clone:241234C5)(red), or 0.25 μ g CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-98136, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).