

For Research Use Only

CoraLite® Plus 488-conjugated PLOD3 Monoclonal antibody



Catalog Number: CL488-60058

Featured Product

Basic Information

Catalog Number:

CL488-60058

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG1480

GenBank Accession Number:

BC011674

GeneID (NCBI):

8985

UNIPROT ID:

O60568

Full Name:

procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3

Calculated MW:

738 aa, 85 kDa

Observed MW:

80-85 kDa

Purification Method:

Protein A purification

CloneNo.:

2G12B8

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima

wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF : HeLa cells,

Background Information

PLOD3, also named as LH3, forms hydroxylysine residues in -Xaa-Lys-Gly- sequences in collagens. These hydroxylysines serve as sites of attachment for carbohydrate units and are essential for the stability of the intermolecular collagen cross-links. The major function of PLOD3 in osteoblasts is to glucosylate galactosylhydroxylysine residues in type I collagen.

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:

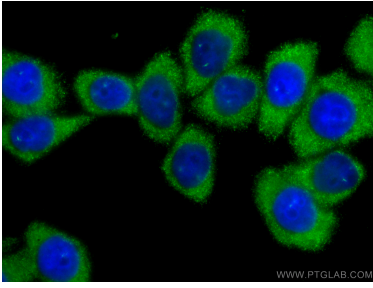
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CL488-60058 (PLOD3 antibody) at dilution of 1:50.