

For Research Use Only

CoraLite® Plus 488-conjugated EGLN3 Recombinant antibody

Catalog Number: CL488-83321



Basic Information

Catalog Number:

CL488-83321

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27464

GenBank Accession Number:

BC010992

GeneID (NCBI):

112399

UNIPROT ID:

Q9H6Z9

Full Name:

egl nine homolog 3 (C. elegans)

Calculated MW:

27 kDa

Observed MW:

27 kDa

Purification Method:

Protein A purification

CloneNo.:

240165A6

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima

wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : HepG2 cells,

Background Information

EGLN3, also named as HPH-1, HIF-PH3, HPH-3 and PHD3, is a cellular oxygen sensor that catalyzes, under normoxic conditions, the post-translational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins. It hydroxylates a specific proline found in each of the oxygen-dependent degradation (ODD) domains (N-terminal, NODD, and C-terminal, CODD) of HIF1A. It is a regulator of cardiomyocyte and neuronal apoptosis. EGLN3 can be a prognostic marker for gastric cancer.

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:

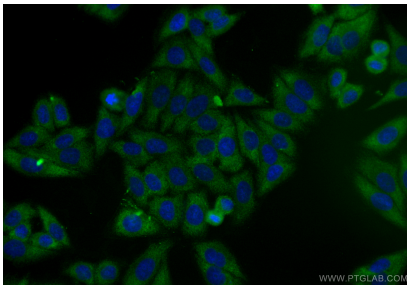
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 EGLN3 antibody (CL488-83321, Clone: 240165A6) at dilution of 1:200.