

For Research Use Only

CoraLite®594-conjugated P4HA1 Monoclonal antibody



Catalog Number:CL594-66101

Basic Information

Catalog Number:

CL594-66101

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG17867

GenBank Accession Number:

BC034998

GeneID (NCBI):

5033

UNIPROT ID:

P13674

Full Name:

prolyl 4-hydroxylase, alpha polypeptide I

Calculated MW:

534 aa, 61 kDa

Observed MW:

61 kDa

Purification Method:

Protein G purification

CloneNo.:

1H10A6

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF : HepG2 cells,

Background Information

P4HA1(Prolyl 4-hydroxylase subunit alpha-1) is also named as P4HA and belongs to the P4HA family, which play a central role in collagen synthesis. P4HA1 catalyzes the post-translational formation of 4-hydroxyproline in -Xaa-Pro-Gly- sequences in collagens and other proteins. The gene encodes a polypeptide of 517 amino acid residues and a signal peptide of 17 amino acids and the full length protein has two glycosylation sites (uniprot). It can exist as a heteromer, dimer or tetramer (refer to: GENATLAS). P4HA1 has 3 isoforms produced by alternative splicing with the molecular weight of 61 kDa, 61 kDa and 59 kDa. This antibody is specific to P4HA1.

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:

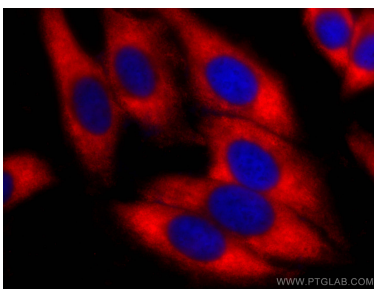
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite®594 P4HA1 antibody (CL594-66101, Clone: 1H10A6) at dilution of 1:100.