

For Research Use Only

CoraLite®594-conjugated P4HA1 Monoclonal antibody



Catalog Number:CL594-66101

Basic Information

Catalog Number: CL594-66101	GenBank Accession Number: BC034998	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5033	CloneNo.: 1H10A6
Source: Mouse	Full Name: prolyl 4-hydroxylase, alpha polypeptide I	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Calculated MW: 534 aa, 61 kDa	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG17867	Observed MW: 61 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : HepG2 cells,
Species Specificity: human, mouse, rat	

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

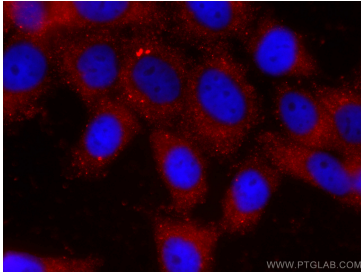
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

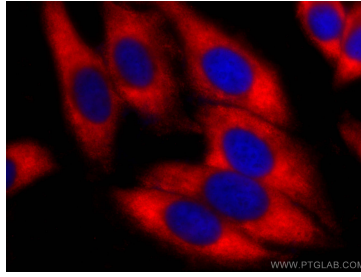
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 CL594-66101 (P4HA1 antibody) at dilution of 1:100.



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