

CoraLite® Plus 594-conjugated Podoplanin Recombinant monoclonal antibody

Catalog Number: **CL594-86750-2**

Basic Information

Catalog Number:

CL594-86750-2

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG5024

GenBank Accession Number:

BC014668

GeneID (NCBI):

10630

UNIPROT ID:

Q86YL7-1

Full Name:

podoplanin

Observed MW:

36-43 kDa

Purification Method:

Protein A purification

CloneNo.:

251406B11

Recommended Dilutions:

IF-P: 1:50-1:500

**Excitation/Emission maxima
wavelengths:**

588 nm / 604 nm

Applications

Tested Applications:

IF-P

Species Specificity:

human

Positive Controls:

IF-P : human placenta tissue,

Background Information

Podoplanin was identified as a 43 kDa glycoprotein found in the cell membranes of glomerular epithelial cells (podocyte) (PMID: 9327748). It is a lymphatic marker because the expression of podoplanin has been detected in lymphatic but not blood vascular endothelium, and is useful as the marker of tumor-associated Lymphangiogenesis. Podoplanin has a function in developing testis, most likely at the level of cell-cell interactions among pre-meiotic germ cells and immature Sertoli cells. It may be involved in cell migration and/or actin cytoskeleton organization. When expressed in keratinocytes, PDPN induces changes in cell morphology with transfected cells showing an elongated shape, numerous membrane protrusions, major reorganization of the actin cytoskeleton, increased motility and decreased cell adhesion. It is required for normal lung cell proliferation and alveolus formation at birth. PDPN induces platelet aggregation. It does not have any effect on folic acid or amino acid transport and does not function as a water channel or as a regulator of aquaporin-type water channels.

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

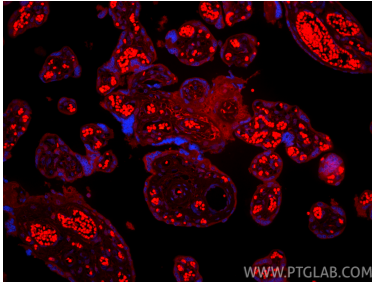
For technical support and original validation data for this product please contact:

T: 4006900926

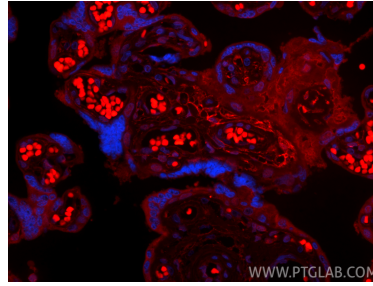
E: Proteintech-CN@ptglab.comW: ptgcn.com

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 (4% PFA) fixed paraffin-embedded human placenta tissue using CoraLite® Plus 594 Podoplanin antibody (CL594-86750-2, Clone: 251406B11) at dilution of 1:100. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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