

For Research Use Only

# CoraLite® Plus 488-conjugated SEC31A Polyclonal antibody



Catalog Number: CL488-17913

Featured Product

## Basic Information

Catalog Number:

CL488-17913

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12314

GenBank Accession Number:

BC084583

GeneID (NCBI):

22872

UNIPROT ID:

O94979

Full Name:

SEC31 homolog A (*S. cerevisiae*)

Calculated MW:

1220 aa, 133 kDa

Observed MW:

133 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF : HeLa cells,

## Background Information

COPII-coated vesicles mediate anterograde transport from the ER to the Golgi apparatus. COPII is composed of three parts: two coat protein complexes (Sec23/24 complex and Sec13/31 complex) and one small GTP-binding protein, Sar1 (PMID: 9568718). Sec31 subunit of the coat complex has been shown to be essential for vesicle formation and ER-Golgi transport (PMID: 10788476). Two mammalian homologues of yeast sec31p, Sec31A and Sec31B, share about 40% amino acid identity. Sec31A transcripts are ubiquitously and abundantly expressed.

## 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:

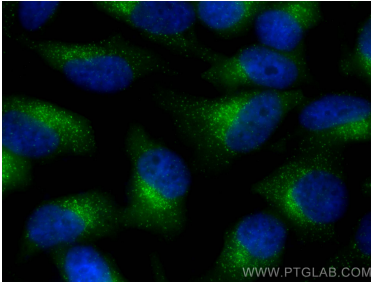
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://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 (-20°C Methanol) fixed HeLa cells using CoraLite® Plus 488 SEC31A antibody (CL488-17913) at dilution of 1:200.