

For Research Use Only

# SEC31A Recombinant antibody, PBS Only

Catalog Number: 84942-4-PBS



## Basic Information

Catalog Number: 84942-4-PBS	GenBank Accession Number: BC084583	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 22872	CloneNo.: 242531E2
Source: Rabbit	UNIPROT ID: O94979	
Isotype: IgG	Full Name: SEC31 homolog A (S. cerevisiae)	
Immunogen Catalog Number: AG12314	Calculated MW: 1220 aa, 133 kDa	
	Observed MW: 118-140 kDa	

## Applications

Tested Applications:  
WB, IF/ICC, IP, Indirect ELISA

Species Specificity:  
human

## 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). The sec31 subunit of the coat complex has been shown to be essential for vesicle formation and ER-Golgi transport (PMID: 10788476). Two mammalian homologs of yeast sec31p, Sec31A and Sec31B, share about 40% amino acid identity. Sec31A transcripts are ubiquitously and abundantly expressed.

## Storage

Storage:  
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:  
PBS Only

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

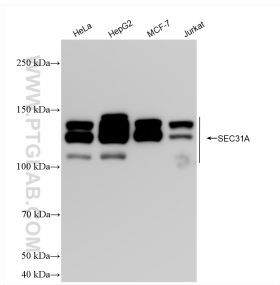
T: 4006900926

E: Proteintech-CN@ptglab.com

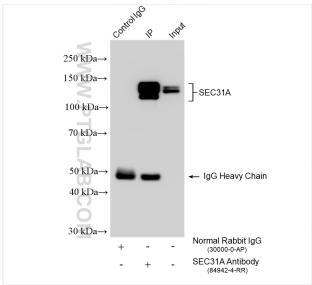
W: ptgcn.com

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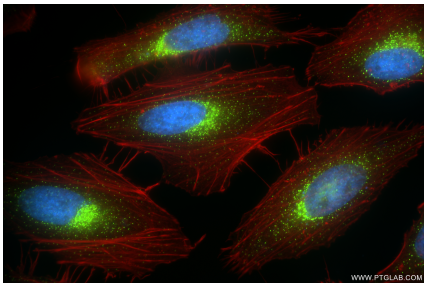
Selected Validation Data



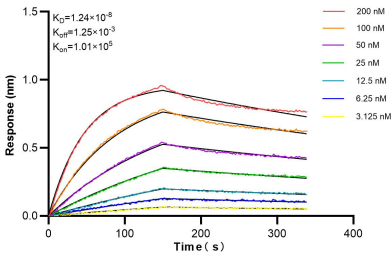
Various lysates were subjected to SDS PAGE followed by western blot with 84942-4-RR (SEC31A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84942-4-PBS in a different storage buffer formulation.



IP result of anti-SEC31A (IP:84942-4-RR, 4ug; Detection:84942-4-RR 1:4000) with HeLa cells lysate 1880 ug. This data was developed using the same antibody clone with 84942-4-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using SEC31A antibody (84942-4-RR, Clone: 242531E2 ) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 84942-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84942-4-RR against Human SEC31A were performed. The affinity constant is 12.4 nM.