

For Research Use Only

# SEC24A Polyclonal antibody

Catalog Number: 15958-1-AP

Featured Product

10 Publications



## Basic Information

<b>Catalog Number:</b> 15958-1-AP	<b>GenBank Accession Number:</b> BC019341	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 450 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10802	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IHC 1:20-1:200 IF 1:10-1:100
<b>Source:</b> Rabbit	<b>Full Name:</b> SEC24 family, member A (S. cerevisiae)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 613 aa, 66 kDa	
<b>Immunogen Catalog Number:</b> AG8723	<b>Observed MW:</b> 66 kDa, 120 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> <b>WB:</b> COS-7 cells, HeLa cells, human liver tissue, mouse skeletal muscle tissue, mouse thymus tissue, rat thymus tissue, HEK-293 cells, HepG2 cells, NIH/3T3 cells <b>IHC:</b> human lymphoma tissue, <b>IF:</b> HeLa cells,
<b>Cited Applications:</b> IF, IP, WB	
<b>Species Specificity:</b> human, mouse, rat, monkey	
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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). Sec24 subunit of the coat complex has been implicated in cargo recognition (PMID: 17316621). In mammal cells there are four Sec24 isoforms, termed Sec24A, Sec24B, Sec24C, and Sec24D (PMID: 10329445). Two isoforms of 120 kDa and 66 kDa produced by alternative splicing have been described.

## Notable Publications

Author	Pubmed ID	Journal	Application
Colin T Stomberski	36288700	Cell Rep	WB
Mengyue You	36252341	Redox Biol	WB, IF
Helene Möllerherm	28553287	Front Immunol	WB

## Storage

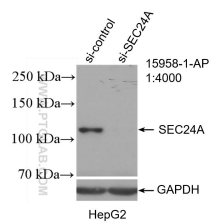
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

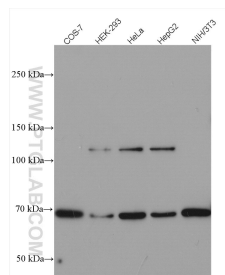
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

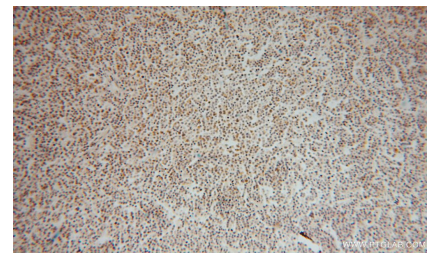
## Selected Validation Data



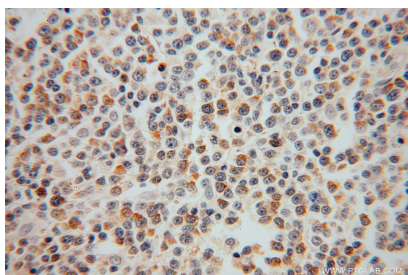
WB result of SEC24A antibody (15958-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SEC24A transfected HepG2 cells.



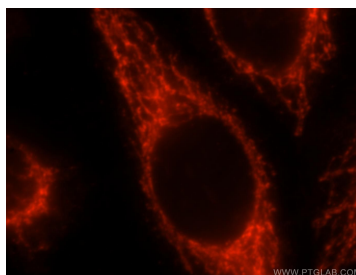
Various lysates were subjected to SDS PAGE followed by western blot with 15958-1-AP (SEC24A antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lymphoma using 15958-1-AP (SEC24A antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human lymphoma using 15958-1-AP (SEC24A antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HeLa cells, using SEC24A antibody 15958-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).