

For Research Use Only

# SEC24D Monoclonal antibody

Catalog Number: 67409-1-Ig



## Basic Information

<b>Catalog Number:</b> 67409-1-Ig	<b>GenBank Accession Number:</b> BC035761	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul, Concentration: 1800 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 9871	<b>CloneNo.:</b> 3G5G9
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O94855	<b>Recommended Dilutions:</b> WB 1:2000-1:8000 IF/ICC 1:200-1:800
<b>Isotype:</b> IgG2a	<b>Full Name:</b> SEC24 family, member D (S. cerevisiae)	
<b>Immunogen Catalog Number:</b> AG4657	<b>Calculated MW:</b> 1033 aa, 113 kDa	
	<b>Observed MW:</b> 113 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> Jurkat cells, HepG2 cells, HeLa cells <b>IF/ICC :</b> HepG2 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). 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).

## 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

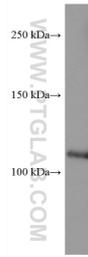
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

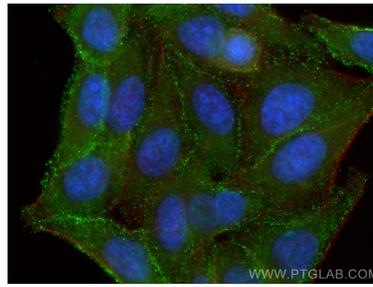
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 67409-1-Ig (SEC24D antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using SEC24D antibody (67409-1-Ig, Clone: 3G5G9) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002), CL594-Phalloidin (red).