

For Research Use Only

# SEC63 Monoclonal antibody

Catalog Number: 67352-1-Ig



## Basic Information

<b>Catalog Number:</b> 67352-1-Ig	<b>GenBank Accession Number:</b> BC047221	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1700 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 11231	<b>CloneNo.:</b> 1C10E1
<b>Source:</b> Mouse	<b>Full Name:</b> SEC63 homolog (S. cerevisiae)	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF 1:200-1:800
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 88 kDa	
<b>Immunogen Catalog Number:</b> AG5783	<b>Observed MW:</b> 90 kDa	

## Applications

<b>Tested Applications:</b> IF, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human	<b>WB :</b> HEK-293 cells, HepG2 cells, Jurkat cells, K-562 cells <b>IF :</b> HEK-293 cells,

## Background Information

SEC63 is a integral ER membrane protein. SEC63 and SEC62 form a dimeric complex and play a central role in translocation of nascent and newly synthesized precursor polypeptides into the ER. Mutations in the gene encoding SEC63 cause polycystic liver disease in humans. The intact SEC63 protein is usually detected around 83-90 kDa, while smaller cleavage products can be observed by autophagy proteolysis (PMID: 25052096)

## Storage

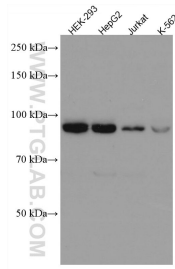
**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

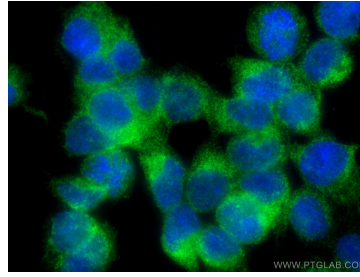
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67352-1-Ig (SEC63 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using SEC63 antibody (67352-1-Ig, Clone: 1C10E1) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).