

For Research Use Only

# SEC63 Polyclonal antibody

Catalog Number: 28665-1-AP



## Basic Information

<b>Catalog Number:</b> 28665-1-AP	<b>GenBank Accession Number:</b> BC047221	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 500 µg/ml	<b>GeneID (NCBI):</b> 11231	<b>Recommended Dilutions:</b> WB 1:2000-1:12000 IHC 1:50-1:500 IF 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UGP8	
<b>Isotype:</b> IgG	<b>Full Name:</b> SEC63 homolog (S. cerevisiae)	
<b>Immunogen Catalog Number:</b> AG30213	<b>Calculated MW:</b> 88 kDa	
	<b>Observed MW:</b> 90 kDa	

## Applications

**Tested Applications:**  
IF/ICC, IHC, WB, ELISA

**Species Specificity:**  
Human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB:** HEK-293 cells, HeLa cells, HepG2 cells

**IHC:** mouse pancreas tissue, human liver tissue

**IF:** 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. 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

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

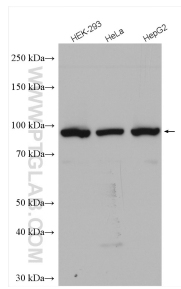
T: 4006900926

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

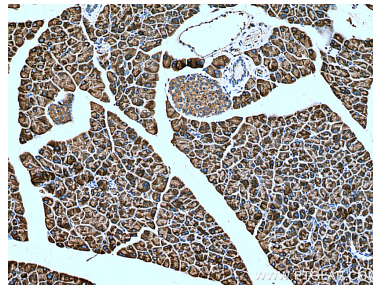
W: [ptgcn.com](http://ptgcn.com)

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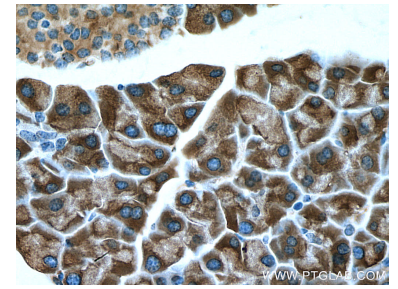
## Selected Validation Data



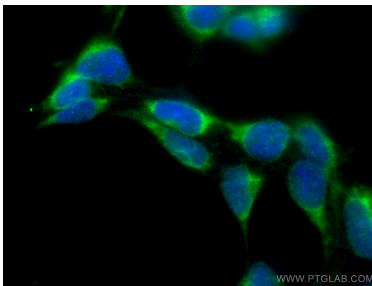
Various lysates were subjected to SDS PAGE followed by western blot with 28665-1-AP (SEC63 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 28665-1-AP (SEC63 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 28665-1-AP (SEC63 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using SEC63 antibody (28665-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).