

For Research Use Only

# SEC16B Polyclonal antibody

Catalog Number: 17245-1-AP



## Basic Information

<b>Catalog Number:</b> 17245-1-AP	<b>GenBank Accession Number:</b> BC009106	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop and 253 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 89866	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> SEC16 homolog B ( <i>S. cerevisiae</i> )	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 71 kDa, 117 kDa	
<b>Immunogen Catalog Number:</b> AG11173	<b>Observed MW:</b> 60-70 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse	<b>WB :</b> mouse pancreas tissue, <b>IHC :</b> human pancreas cancer tissue,
<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

SEC16B also known as LZTR2, RGPR-p117, is a mammalian homolog of *S. cerevisiae* Sec16 that is required for organization of transitional endoplasmic reticulum (ER) sites and protein export (PMID: 17192411). SEC16B regulates the transport of peroxisomal biogenesis factors PEX3 and PEX16 from the ER to peroxisomes (PMID:21768384). SEC16B may be involved in human obesity to possess an association between single nucleotide polymorphisms and different measures of obesity (PMID: 28413634).

## Storage

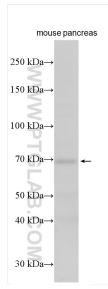
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

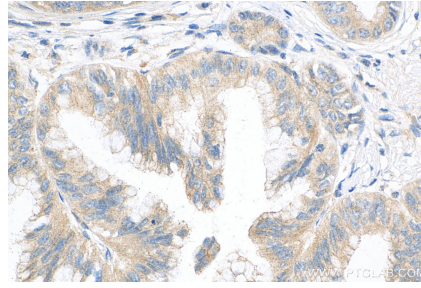
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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## Selected Validation Data



mouse pancreas tissue were subjected to SDS PAGE followed by western blot with 17245-1-AP (SEC16B antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 17245-1-AP (SEC16B antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).