

For Research Use Only

SEC61B-Specific Polyclonal antibody

Catalog Number: 14846-1-AP

1 Publications



Basic Information

Catalog Number: 14846-1-AP	GenBank Accession Number: NM_006808	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 10952	Recommended Dilutions: WB 1:1000-1:4000
Source: Rabbit	UNIPROT ID: P60468	IHC 1:500-1:2000
Isotype: IgG	Full Name: Sec61 beta subunit	IF-P 1:50-1:500
	Calculated MW: 10 kDa	IF/ICC 1:500-1:2000
	Observed MW: 10-15 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, IF-P, ELISA	Positive Controls: WB : HEK-293 cells, HeLa cells, human kidney tissue, mouse kidney tissue, mouse liver tissue, rat kidney tissue
Cited Applications: WB	IHC : mouse liver tissue, human cervical cancer tissue, human liver tissue
Species Specificity: human, mouse, rat	IF-P : mouse pancreas tissue,
Cited Species: human	IF/ICC : HeLa cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

The heteromeric SEC61 complex is composed of alpha, beta and gamma subunits. Oligomers of the SEC61 complex form a transmembrane channel where proteins are translocated across and integrated into the ER membrane (PMID: 10212142). SEC61B is the beta subunit of the SEC61 complex. It has been reported that SEC61B facilitates cotranslational protein transport and interacts with the signal peptidase during translocation (PMID: 9585408).

Notable Publications

Author	Pubmed ID	Journal	Application
Mio Kawabata	33760868	PLoS Pathog	WB

Storage

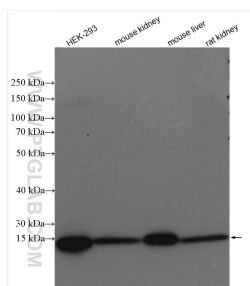
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

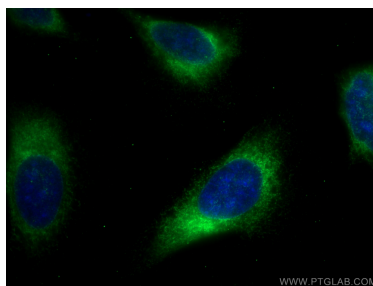
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

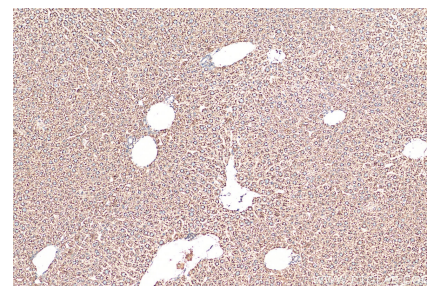
Selected Validation Data



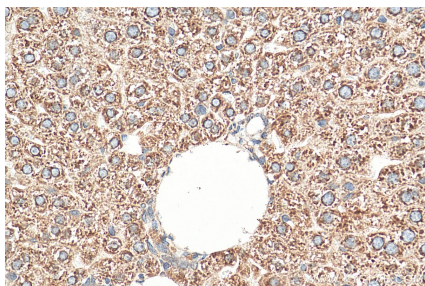
Various lysates were subjected to SDS PAGE followed by western blot with 14846-1-AP (SEC61B-Specific antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



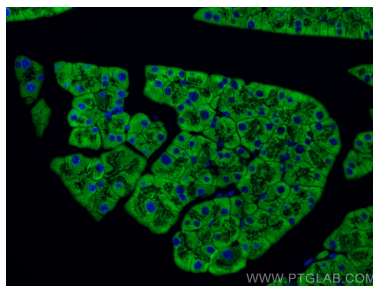
Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using SEC61B-Specific antibody (14846-1-AP) at dilution of 1:1000 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 14846-1-AP (SEC61B-Specific antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 14846-1-AP (SEC61B-Specific antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse pancreas tissue using SEC61B-Specific antibody (14846-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L).