

For Research Use Only

SEC61B Polyclonal antibody

Catalog Number: 15087-1-AP **19 Publications**



Basic Information

Catalog Number: 15087-1-AP	GenBank Accession Number: BC001734	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop;	GeneID (NCBI): 10952	Recommended Dilutions: WB 1:1000-1:6000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: Sec61 beta subunit	IHC 1:50-1:500
Isotype: IgG	Calculated MW: 10 kDa	IF 1:50-1:500
Immunogen Catalog Number: AG7169	Observed MW: 10-15 kDa	

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Cited Applications:

IF, IHC, IP, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, monkey, mouse, zebrafish

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, L02 cells, mouse liver tissue, rat liver tissue

IP : HepG2 cells,

IHC : human liver tissue, human cervical cancer tissue

IF : HepG2 cells, HeLa cells, mouse pancreas tissue

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
Hideaki Morishita	31526472	Elife	IF
Suman Rimal	34663454	Acta Neuropathol Commun	WB,IP
Stefan Nortin	26438609	Diabetes	WB, IHC

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

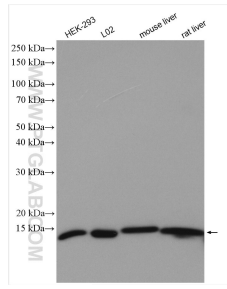
For technical support and original validation data for this product please contact:

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

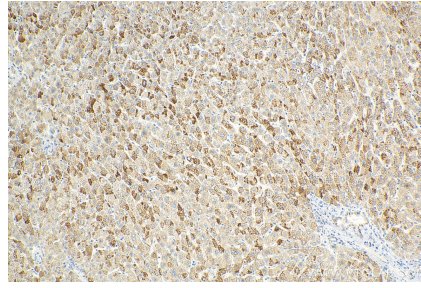
E: proteintech@ptglab.com
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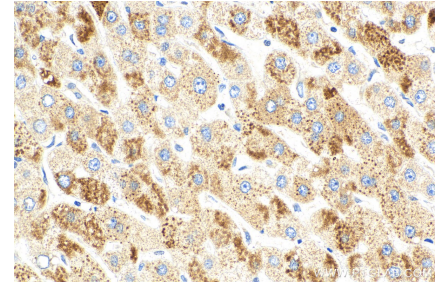
Selected Validation Data



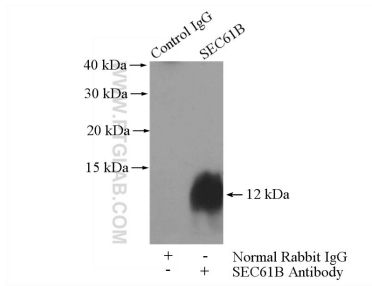
Various lysates were subjected to SDS PAGE followed by western blot with 15087-1-AP (SEC61B antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 15087-1-AP (SEC61B 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 human liver tissue slide using 15087-1-AP (SEC61B antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-SEC61B (IP:15087-1-AP, 4ug; Detection:15087-1-AP 1:500) with HepG2 cells lysate 1800ug.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using SEC61B antibody (15087-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).