

For Research Use Only

SEC61B Polyclonal antibody

Catalog Number: 15087-1-AP

23 Publications



Basic Information

Catalog Number:

15087-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7169

GenBank Accession Number:

BC001734

GeneID (NCBI):

10952

UNIPROT ID:

P60468

Full Name:

Sec61 beta subunit

Calculated MW:

10 kDa

Observed MW:

10-15 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:2000-1:12000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:50-1:500

IF-P: 1:50-1:500

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IF-P, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, monkey, 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-P: mouse pancreas tissue,

IF/ICC: HepG2 cells,

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 Norlin	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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

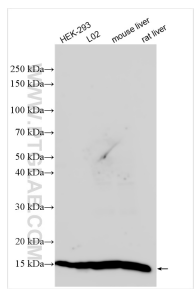
T: 4006900926

E: Proteintech-CN@ptglab.com

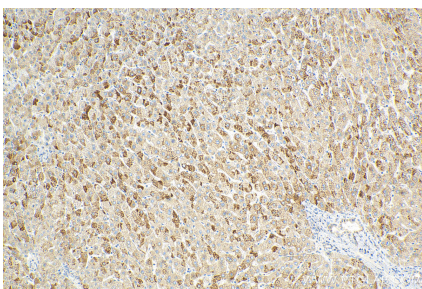
W: ptgcn.com

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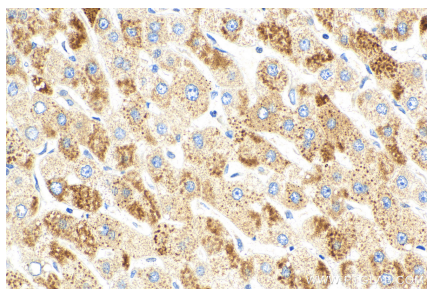
Selected Validation Data



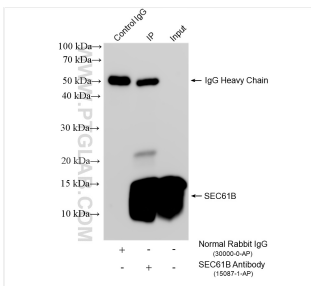
Various lysates were subjected to SDS PAGE followed by western blot with 15087-1-AP (SEC61B antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



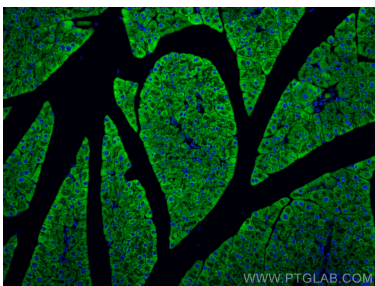
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 15087-1-AP (SEC61B antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



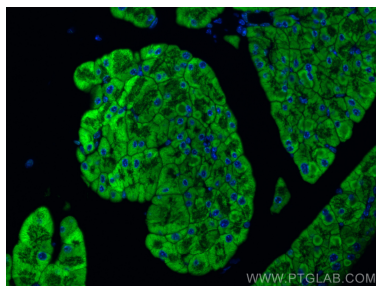
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 15087-1-AP (SEC61B antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



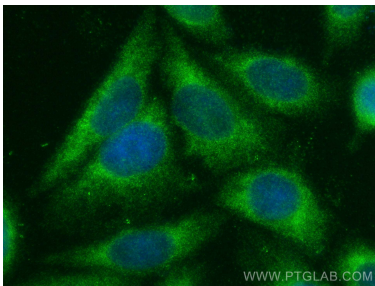
IP result of anti-SEC61B (IP:15087-1-AP, 4ug; Detection:15087-1-AP 1:4000) with HepG2 cells lysate 1480 ug.



Immunofluorescent analysis of (4% PFA) fixed mouse pancreas tissue using SEC61B antibody (15087-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse pancreas tissue using SEC61B antibody (15087-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using SEC61B antibody (15087-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).