

For Research Use Only

SEC61B Recombinant monoclonal antibody

Catalog Number: 85805-2-RR



Basic Information

Catalog Number: 85805-2-RR	GenBank Accession Number: BC001734	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 10952	CloneNo.: 250082D3
Source: Rabbit	UNIPROT ID: P60468	Recommended Dilutions: WB: 1:5000-1:50000 IF/ICC: 1:50-1:500
Isotype: IgG	Full Name: Sec61 beta subunit	
Immunogen Catalog Number: AG7169	Calculated MW: 10 kDa	
	Observed MW: 10-15 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : HeLa cells, HepG2 cells, HEK-293T cells, A431 cells, L02 cells, NIH/3T3 cells, C6 cells
	IF/ICC : HeLa 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).

Storage

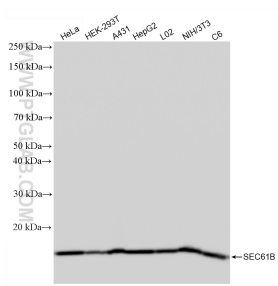
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1%BSA

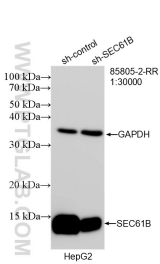
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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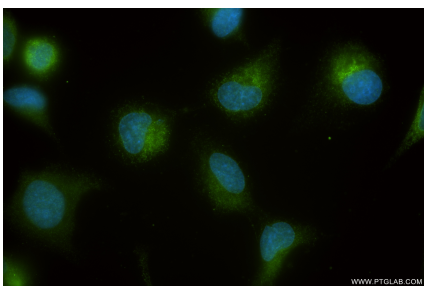
Selected Validation Data



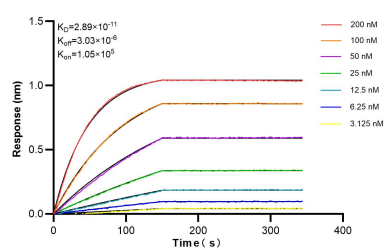
Various lysates were subjected to SDS PAGE followed by western blot with 85805-2-RR (SEC61B antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



WB result of SEC61B antibody (85805-2-RR; 1:30000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SEC61B transfected HepG2 cells.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using SEC61B antibody (85805-2-RR, Clone: 250082D3) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 85805-2-RR against Human SEC61B were performed. The affinity constant is 28.9 pM.