

SEC13 Polyclonal antibody

Catalog Number: 15397-1-AP **16 Publications**

Basic Information

Catalog Number: 15397-1-AP	GenBank Accession Number: BC002634	Purification Method: Antigen affinity purification
Size: 300 µg/ml	GeneID (NCBI): 6396	Recommended Dilutions: WB 1:2000-1:12000
Source: Rabbit	UNIPROT ID: P55735	IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: SEC13 homolog (S. cerevisiae)	IHC 1:200-1:800
Immunogen Catalog Number: AG7610	Calculated MW: 36 kDa	IF 1:10-1:100
	Observed MW: 36 kDa	

Applications

Tested Applications:
IF/ICC, IHC, IP, WB, ELISA

Cited Applications:
WB, IF

Species Specificity:
human, mouse, rat

Cited Species:
human, rat, mouse

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: HepG2 cells, RAW 264.7 cells

IP: HepG2 cells,

IHC: mouse brain tissue, mouse liver tissue, human kidney tissue, human placenta tissue, human testis tissue, human skin tissue, human spleen tissue, human lung tissue, human ovary tissue

IF: HepG2 cells,

Background Information

SEC13 is a component of the nuclear pore complex (NPC) and the COPII coat. It is required for vesicle biogenesis from endoplasmic reticulum during the transport of proteins. Shuttling of SEC13 between the nucleus and the cytoplasm may couple and regulate functions between these two compartments. (PMID: 14517296; 16407955)

Notable Publications

Author	Pubmed ID	Journal	Application
Jacqueline Morales	36282590	JCI Insight	WB
Mengyue You	36252341	Redox Biol	WB
C Teodorof	24825317	Neurobiol Dis	

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

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

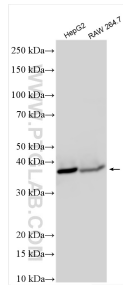
T: 4006900926

E: Proteintech-CN@ptglab.com

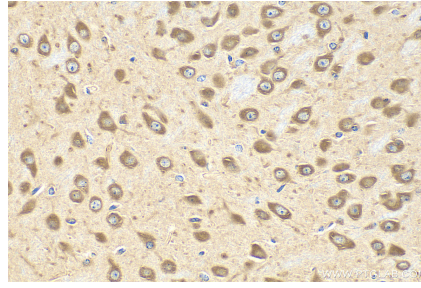
W: ptgcn.com

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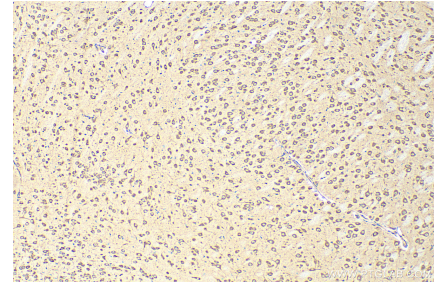
Selected Validation Data



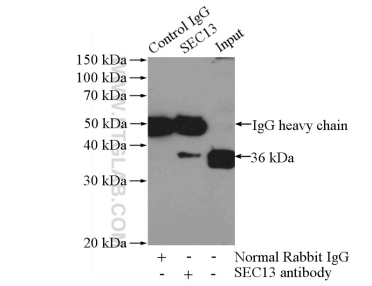
Various lysates were subjected to SDS PAGE followed by western blot with 15397-1-AP (SEC13 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



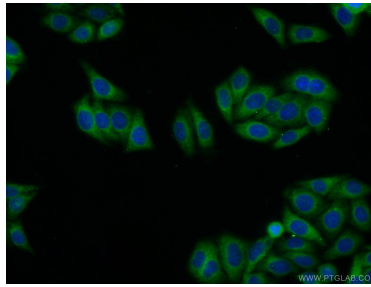
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15397-1-AP (SEC13 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15397-1-AP (SEC13 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-SEC13 (IP:15397-1-AP, 3ug; Detection:15397-1-AP 1:1000) with HepG2 cells lysate 3200ug.



Immunofluorescent analysis of HepG2 cells using 15397-1-AP (SEC13 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).