

For Research Use Only

SESN3 Recombinant antibody, PBS Only

Catalog Number: 84823-3-PBS



Basic Information

Catalog Number: 84823-3-PBS	GenBank Accession Number: BC017296	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 143686	CloneNo.: 242189D1
Source: Rabbit	UNIPROT ID: P58005	
Isotype: IgG	Full Name: sestrin 3	
Immunogen Catalog Number: AG17872	Calculated MW: 492 aa, 57 kDa	
	Observed MW: 57-60 kDa	

Applications

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

Species Specificity:
human

Background Information

Sestrins, including sestrin-1 (PA26), sestrin-2 (Hi95), and sestrin-3, are 48 to 65 kDa cysteine sulfinyl reductases and modulate peroxide signaling and antioxidant defense. These proteins selectively reduce or repair hyperoxidized forms of typical 2-Cys peroxiredoxins within eukaryotes. Expression of these proteins is regulated by p53, a tumor suppressor protein. Sestrin 3 was identified as a forkhead box O (FoxO) target gene with antioxidant activity. Recently it was reported that sestrin 3 may play an important role in AKT-induced increase in ROS. It might be a promising target in selectively killing cancer cells with high AKT activity levels.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

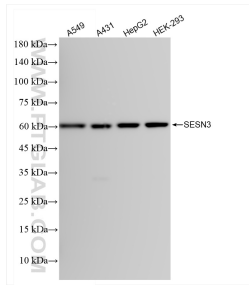
T: 4006900926

E: Proteintech-CN@ptglab.com

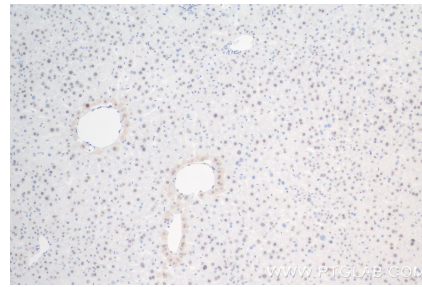
W: ptgcn.com

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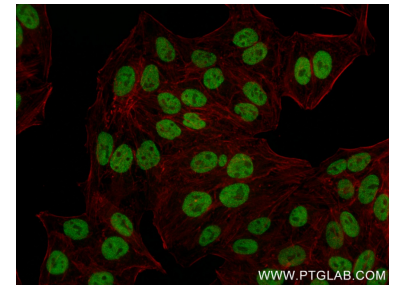
Selected Validation Data



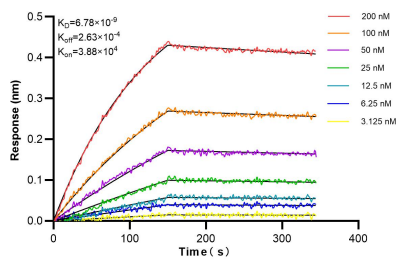
Various lysates were subjected to SDS PAGE followed by western blot with 84823-3-RR (SESN3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84823-3-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 84823-3-RR (SESN3 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84823-3-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using SESN3 antibody (84823-3-RR, Clone: 242189D1) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 84823-3-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 84823-3-RR against Human SESN3 were performed. The affinity constant is 6.78 nM.