

For Research Use Only

CoraLite® Plus 488-conjugated SESN3 Recombinant antibody

Catalog Number: CL488-84823-3



Basic Information

Catalog Number: CL488-84823-3	GenBank Accession Number: BC017296	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 143686	CloneNo.: 242189D1
Source: Rabbit	UNIPROT ID: P58005	Recommended Dilutions: IF/ICC: 1:50-1:500
Isotype: IgG	Full Name: sestrin 3	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG17872	Calculated MW: 492 aa, 57 kDa	
	Observed MW: 57-60 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HepG2 cells,
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.

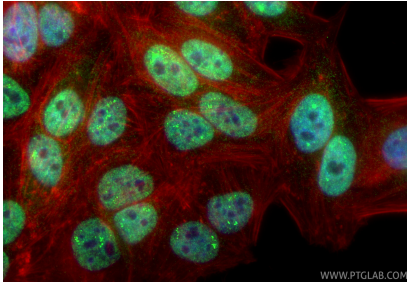
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

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



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Coralite® Plus 488 SESN3 antibody (CL488-84823-3, Clone: 242189D1) at dilution of 1:200, CL594-Phalloidin (red).