

For Research Use Only

CoraLite® Plus 488-conjugated SESN3 Recombinant antibody

Catalog Number: CL488-84823-3



Basic Information

Catalog Number:

CL488-84823-3

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG17872

GenBank Accession Number:

BC017296

GeneID (NCBI):

143686

UNIPROT ID:

P58005

Full Name:

sestrin 3

Calculated MW:

492 aa, 57 kDa

Observed MW:

57-60 kDa

Purification Method:

Protein A purification

CloneNo.:

242189D1

Recommended Dilutions:

IF/ICC: 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : HepG2 cells,

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:

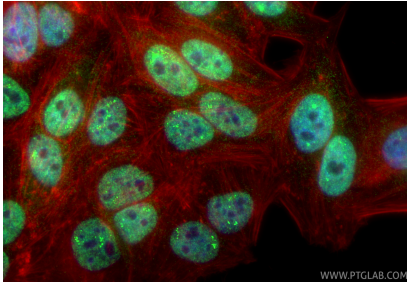
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Selected Validation Data



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).