

For Research Use Only

# SESN3 Polyclonal antibody

Catalog Number: 24532-1-AP

Featured Product

2 Publications



## Basic Information

Catalog Number:

24532-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG21380

GenBank Accession Number:

BC017296

GeneID (NCBI):

143686

UNIPROT ID:

P58005

Full Name:

sestrin 3

Calculated MW:

492 aa, 57 kDa

Observed MW:

57 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : HepG2 cells, A431 cells

## Background Information

Sestrins, including sestrin-1 (PA26), sestrin-2 (Hi95), and sestrin-3, are 48 to 65 kDa cystein sulfinyl reductases and they 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 and it might be a promising target in selectively killing cancer cells containing high levels of AKT activity.

## Notable Publications

Author	Pubmed ID	Journal	Application
Oscar Alvarez-Garcia	28430387	J Orthop Res	IHC
Cong Jiang	36528027	Mol Cell	WB

## 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

\*\*\* 20ul sizes contain 0.1% BSA

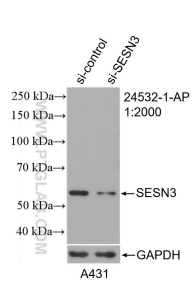
For technical support and original validation data for this product please contact:

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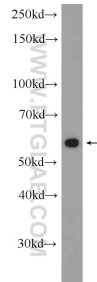
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Selected Validation Data



WB result of SESN3 antibody (24532-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SESN3 transfected A431 cells.



HepG2 cells were subjected to SDS PAGE followed by western blot with 24532-1-AP (SESN3 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.