

For Research Use Only

SESN1 Polyclonal antibody

Catalog Number: 55010-1-AP **1 Publications**



Basic Information

Catalog Number:

55010-1-AP

Size:

150ul, Concentration: 1000 µg/ml by Nanodrop and 560 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_014454

GeneID (NCBI):

27244

UNIPROT ID:

Q9Y6P5

Full Name:

sestrin 1

Calculated MW:

64 kDa

Observed MW:

50-57 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB, IP

Species Specificity:

human, mouse, rat

Cited Species:

pig

Positive Controls:

WB : mouse brain tissue,

IP : mouse brain tissue,

Background Information

Sestrins, including sestrin-1 (PA26), sestrin-2 (Hi95), and sestrin-3, are 48 to 65 kDa cysteine 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 1 is implicated in the inhibition of cell growth. It is approximately a 66kDa protein in humans (551 amino acids). This antibody is specific to Sestrin 1.

Notable Publications

Author	Pubmed ID	Journal	Application
Agus Suryawan	34159368	J Nutr	WB, IP

Storage

Storage:

Store at -20°C.

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

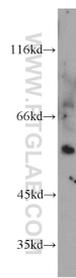
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

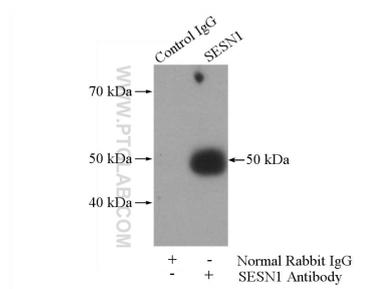
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 55010-1-AP (SESN1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP result of anti-SESN1 (IP:55010-1-AP, 4ug; Detection:55010-1-AP 1:500) with mouse brain tissue lysate 3440ug.