

For Research Use Only

SESN1 Polyclonal antibody

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



Basic Information

Catalog Number:

55010-1-AP

Size:

1000 µg/ml

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 µg for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

IP, WB, 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

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

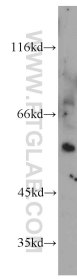
T: 4006900926

E: Proteintech-CN@ptglab.com

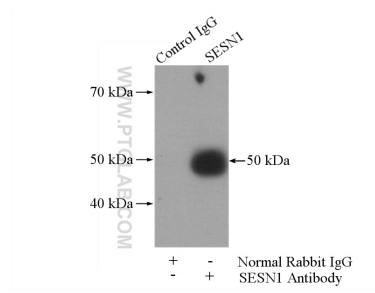
W: ptgcn.com

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Selected Validation Data



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.