

For Research Use Only

SESN1 Polyclonal antibody

Catalog Number: 21668-1-AP

Featured Product

21 Publications



Basic Information

Catalog Number:

21668-1-AP

Size:

700 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16462

GenBank Accession Number:

BC112036

GeneID (NCBI):

27244

UNIPROT ID:

Q9Y6P5

Full Name:

sestrin 1

Calculated MW:

551 aa, 64 kDa

Observed MW:

66-68 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, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB : human skeletal muscle tissue, HEK-293 cells, mouse liver tissue, human testis tissue, HeLa cells, K-562 cells

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).

Notable Publications

Author	Pubmed ID	Journal	Application
T Shen	27693501	Osteoarthritis Cartilage	WB, IHC
Rongya Tao	25377878	Diabetes	
Tianyi Wang	34038646	Appl Physiol Nutr Metab	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

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

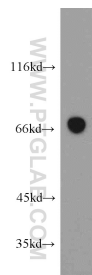
T: 4006900926

E: Proteintech-CN@ptglab.com

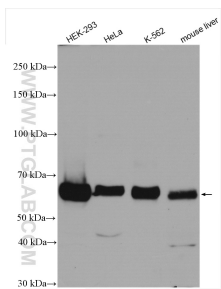
W: ptgcn.com

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

Selected Validation Data



human skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 21668-1-AP (SESN1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 21668-1-AP (SESN1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.