

For Research Use Only

SESN1 Recombinant antibody, PBS Only

Catalog Number: 86008-1-PBS



Basic Information

Catalog Number:

86008-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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 kDa

Purification Method:

Protein A purification

CloneNo.:

250470G1

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

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 1 is implicated in the inhibition of cell growth. It is approximately a 66kDa protein in humans (551 amino acids).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

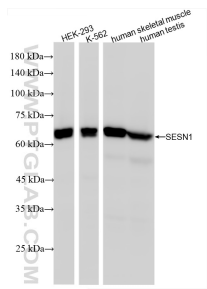
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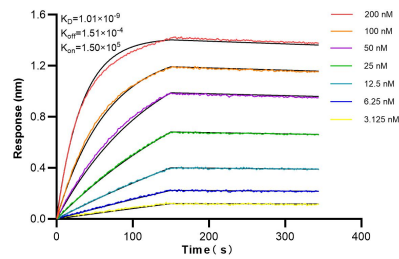
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86008-1-RR (SESN1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86008-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86008-1-RR against Human SESN1 were performed. The affinity constant is 1.01 nM.