

For Research Use Only

# SESN1 Recombinant antibody

Catalog Number: 86008-1-RR



## Basic Information

<b>Catalog Number:</b> 86008-1-RR	<b>GenBank Accession Number:</b> BC112036	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 27244	<b>CloneNo.:</b> 250470G1
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y6P5	<b>Recommended Dilutions:</b> WB: 1:3000-1:30000
<b>Isotype:</b> IgG	<b>Full Name:</b> sestrin 1	
<b>Immunogen Catalog Number:</b> AG16462	<b>Calculated MW:</b> 551 aa, 64 kDa	
	<b>Observed MW:</b> 66 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, K-562 cells, human skeletal muscle tissue, human testis tissue
<b>Species Specificity:</b> human	

## 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).

## Storage

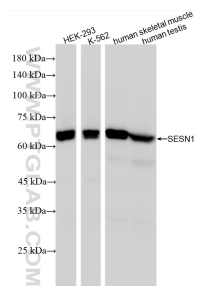
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

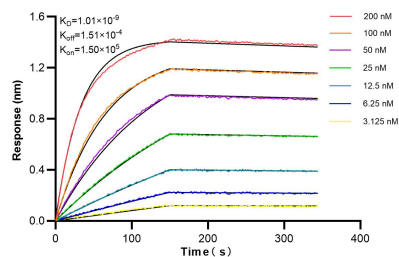
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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## Selected Validation Data



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.



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