

Product datasheet for **TA334538**

SESN1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-SESN1 antibody is: synthetic peptide directed towards the middle region of Human SESN1. Synthetic peptide located within the following region: KWLNGLENAPQKLQNLGELNKVLAHRPWLITKEHIEGLLKAEHSWSLAE
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	64 kDa
Gene Name:	sestrin 1
Database Link:	NP_055269 Entrez Gene 140742 Mouse Entrez Gene 27244 Human Q9Y6P5



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Background:

This gene encodes a member of the sestrin family. Sestrins are induced by the p53 tumor suppressor protein and play a role in the cellular response to DNA damage and oxidative stress. The encoded protein mediates p53 inhibition of cell growth by activating AMP-activated protein kinase, which results in the inhibition of the mammalian target of rapamycin protein. The encoded protein also plays a critical role in antioxidant defense by regenerating overoxidized peroxiredoxins, and the expression of this gene is a potential marker for exposure to radiation. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

Synonyms:

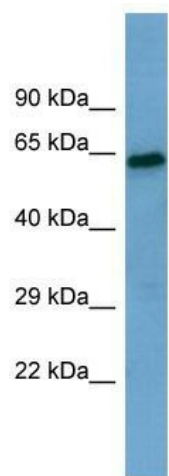
PA26; SEST1

Note:

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Guinea pig: 100%; Rabbit: 93%; Zebrafish: 79%

Protein Pathways:

p53 signaling pathway

Product images:

Host: Rabbit; Target Name: SESN1; Sample Tissue: THP-1 Whole cell lysates; Antibody Dilution: 1.0 ug/ml