

## Rabbit Sestrin-1 Polyclonal Antibody | anti-SESN1 antibody

Sestrin-1 Antibody (C-term)

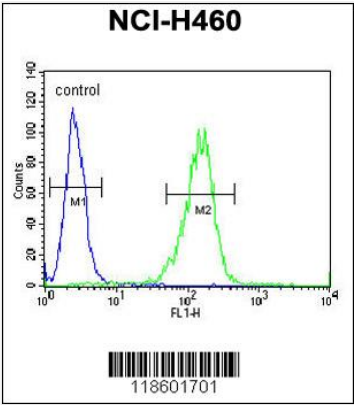
| CATALOG # | HOST   | REACTIVITY                                           | APPLICATIONS                                          |
|-----------|--------|------------------------------------------------------|-------------------------------------------------------|
| AAA288406 | Rabbit | Human, mouse (Predicted Reactivity: Monkey, Xenopus) | Flow Cytometry, Functional Assay, ELISA, Western Blot |

### PRODUCT SYNONYMS

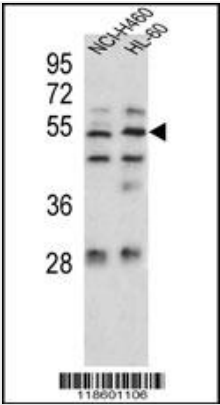
Sestrin-1; Polyclonal Antibody; Sestrin-1 Antibody (C-term); p53-regulated protein PA26; SESN1; PA26; SEST1; anti-SESN1 antibody

### PRODUCT SPECIFICATIONS

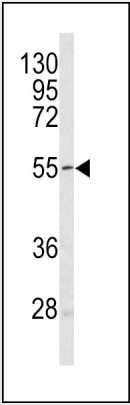
|                                                 |                                                                                                                                                                                           |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                    |
| Reactivity                                      | Human, mouse (Predicted Reactivity: Monkey, Xenopus)                                                                                                                                      |
| Clonality                                       | Polyclonal                                                                                                                                                                                |
| Isotype                                         | Rabbit Ig                                                                                                                                                                                 |
| Specificity                                     | This Sestrin-1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 312-341 amino acids from the C-terminal region of human Sestrin-1.            |
| Purity/Purification                             | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                 |
| Form/Format                                     | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| Concentration                                   | Vial Concentration: 2 (varies by lot)                                                                                                                                                     |
| Sequence Positions                              | 312-341                                                                                                                                                                                   |
| Sequence Length                                 | 426                                                                                                                                                                                       |
| Applicable Applications for anti-SESN1 antibody | FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)                                                                                                                                       |
| Antigen Type                                    | Synthetic Peptide                                                                                                                                                                         |
| Antigen Source                                  | HUMAN                                                                                                                                                                                     |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                    |



**FCM/FACS (Flow Cytometry)**  
Sestrin-1 Antibody (C-term) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



**WB (Western Blot)**  
Sestrin-1 Antibody (C-term) western blot analysis in NCI-H460,HL-60 cell line lysates (35ug/lane).This demonstrates the Sestrin-1 antibody detected the Sestrin-1 protein (arrow).



**WB (Western Blot)**  
Western blot analysis of Sestrin-1 antibody (C-term) in mouse heart tissue lysates (35ug/lane). Sestrin-1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                             |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SESN1 antibody | Sestrin-1 is involved in the reduction of peroxiredoxins. This protein may also be regulator of cellular growth.                                            |
| Product Categories/Family for anti-SESN1 antibody   | Cell Biology; Metabolism                                                                                                                                    |
| References                                          | Budanov,A.V., Science 304 (5670), 596-600 (2004)<br>Peeters,H., Hum. Genet. 112 (5-6), 573-580 (2003)<br>Velasco-Miguel,S., Oncogene 18 (1), 127-137 (1999) |

NCBI AND UNIPROT INFORMATION

|                           |                                                |
|---------------------------|------------------------------------------------|
| NCBI GI #                 | 315709500                                      |
| NCBI GeneID               | 27244                                          |
| NCBI Accession #          | NP_001186862.1; NP_001186863.1; NP_055269.1    |
| NCBI GenBank Nucleotide # | NM_001199933.1                                 |
| UniProt Accession #       | Q9Y6P5; Q2M2B7; Q5T316; Q9NV00; Q9UPD5; Q9Y6P6 |
| Molecular Weight          | 56557                                          |

|                                  |                     |
|----------------------------------|---------------------|
| NCBI Official Full Name          | sestrin-1 isoform 2 |
| NCBI Official Synonym Full Names | sestrin 1           |
| NCBI Official Symbol             | SESN1               |
| NCBI Official Synonym Symbols    | PA26; SEST1         |
| NCBI Protein Information         | sestrin-1           |
| UniProt Protein Name             | Sestrin-1           |
| UniProt Gene Name                | <b>SESN1</b>        |
| UniProt Synonym Gene Names       | PA26; SEST1         |
| UniProt Entry Name               | SESN1_HUMAN         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/sestrin-1-antibody-flow-cytometry-western-blot-elisa/288406>