

A3417

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## sestrin 1 Rabbit pAb

Catalog No.: A3417

### Basic Information

#### Observed MW

65kDa

#### Calculated MW

57kDa

#### Category

Polyclonal Antibody

#### Applications

WB,FC,ELISA

#### Cross-Reactivity

Human,Mouse

### 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.

### Recommended Dilutions

**WB** 1:500 - 1:2000

**FC** 1:20 - 1:50

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

### Immunogen Information

#### Gene ID

27244

#### Swiss Prot

Q9Y6P5

#### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

#### Synonyms

PA26; SEST1; sestrin 1

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

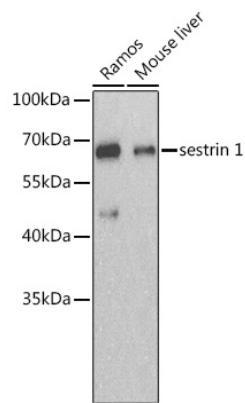
Affinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

# Validation Data



Western blot analysis of various lysates using sestrin 1 Rabbit pAb (A3417).  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.