

sestrin 1 Rabbit pAb

Catalog No.: A3417

Basic Information

Observed MW

65kDa

Calculated MW

57kDa

Category

Primary antibody

Applications

ELISA, WB, FC

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

Immunogen Information

Gene ID	Swiss Prot
27244	Q9Y6P5

Immunogen

A synthetic peptide of human sestrin 1

Synonyms

PA26; SEST1; sestrin 1

Contact

 | www.abclonal.com

Product Information

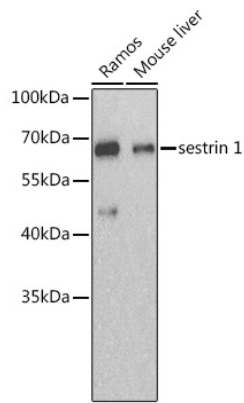
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

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 extracts of various cell lines, using sestrin 1 antibody (A3417).
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 μ g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.