

SESN3 Polyclonal Antibody

Catalog number: 11431-2-AP

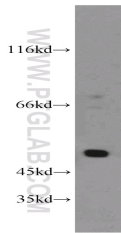
Size: 35 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

SESN3; SESN3, SEST3, sestrin 3



HeLa cells were subjected to SDS PAGE followed by western blot with 11431-2-AP (SESN3 antibody) at dilution of 1:500

Background

Sestrins, including sestrin-1 (PA26), sestrin-2 (Hi95), and sestrin-3, are 48 to 65 kDa cystein 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 3 was identified as a forkhead box O (FoxO) target gene with antioxidant activity. Recently it was reported that sestrin 3 may play an important role in AKT induced increase in ROS and it might be a promising target in selectively killing cancer cells containing high levels of AKT activity.

Applications

Tested applications:	ELISA, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated SESN3 MW:	492aa, 57 kDa
Observed SESN3 MW:	51-59kd
Positive WB detected in	HeLa cells, A431 cells, A549 cells, HEK-293 cells, HepG2 cells, mouse liver tissue, mouse ovary tissue
Recommended dilution:	WB: 1:200-1:2000

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag1961
GenBank accession number:	BC017296
Gene ID (NCBI):	143686
Full name:	Sestrin 3

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.