

Sestrin 2 Polyclonal Antibody

Catalog number: 10795-1-AP

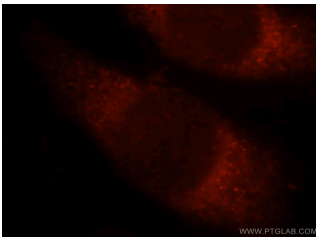
Size: 72 µg/150 µl

Source: Rabbit

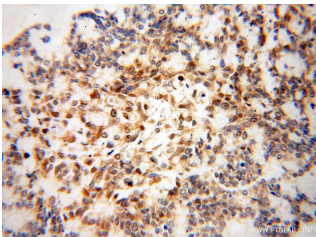
Isotype: IgG

Synonyms:

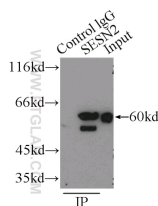
SESN2; DKFZp761M0212,
DKFZp761M02121, HI95, SES2,
SESN2, SEST2, Sestrin 2,
Sestrin-2



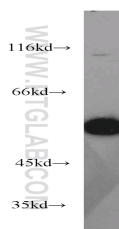
Immunofluorescent analysis of HeLa cells, using SESN2 antibody 10795-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical of paraffin-embedded human colon cancer using 10795-1-AP(Sestrin2 antibody) at dilution of 1:100 (under 25x lens)



IP Result of anti-Sestrin2 (IP:10795-1-AP, 3µg; Detection:10795-1-AP 1:1000) with K-562 cells lysate 4000µg.



HEK-293 cells were subjected

Background

SESN is a family of highly conserved, stress-inducible genes that can defend the cell against oxidative damage and oncogenic signaling. SESN2, which belongs to the SESN family, has been implicated as a tumor suppressor that can inhibit angiogenesis and promote autophagy, underscoring the importance of elucidating the molecular mechanism by which SESN2 regulates pathways of metabolism and survival.(PMID:22363791). Sesn2 encodes a 480 amino acid protein which can run as a 60 kDa band on SDS-polyacrylamide gel electrophoresis(PMID:20878915).

Applications

Tested applications:	ELISA, WB, IHC, IF, IP
Cited applications:	FC, IF, IHC, IP, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse, rat
Calculated Sestrin 2 MW:	54 kDa
Observed Sestrin 2 MW:	54-60 kDa
Positive WB detected in	HEK-293 cells, A2780 cells, HEK-293, HeLa cells, human brain tissue, human liver tissue, K-562 cells, NIH/3T3 cells, rat liver tissue, RAW264.7 cells
Positive IP detected in	K-562 cells
Positive IHC detected in	Human colon cancer tissue, human breast cancer tissue, human ovary tumor tissue
Positive IF detected in	Hela cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:500-1:5000 IHC: 1:20-1:200 IF: 1:10-1:100

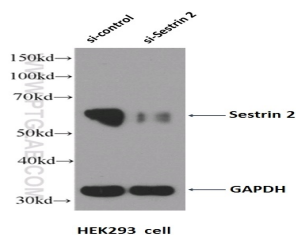
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag1247
GenBank accession number:	BC013304
Gene ID (NCBI):	83667
Full name:	Sestrin 2

Product information

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



WB result of Sestrin antibody

to SDS PAGE followed by western blot with 10795-1-AP(Sestrin2 antibody) at dilution of 1:1000

(10795-1-AP, 1:2000) with si-Control and si-Sestrin transfected HEK293 cells.