Sestrin 2
Polyclonal ANTIBODY

Catalog Number: 10795-1-AP

Basic Information
Catalog Number: 10795-1-AP
Size: 150UL, 350 μg/ml
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG1247

Recommended Dilutions:
- WB: 1:1000-1:5000
- IP: 0.5-4.0 μg for IP and 1:500-1:2000 for WB
- IHC: 1:200-1:800
- IF: 1:10-1:100

Applications
Tested Applications:
- IF, IHC, IP, WB, ELISA
Cited Applications:
- FC, IF, IHC, IP, WB
Cited Species:
- Bovine, human, mouse, rat

Species Specificity:
- human, mouse, rat

GenBank Accession Number: BC013304
GeneID (NCBI): 83667
Calculated MW: 54 kDa
Observed MW: 54-60 kDa

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IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Storage:
- Store at -20°C.
- PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
- Aliquoting is unnecessary for -20°C storage

Background Information
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).

Notable Publications
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<td>Scot R Kimball</td>
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<td>Stuti Agarwal</td>
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For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) [toll free in USA], or 1 (312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Various lysates were subjected to SDS PAGE followed by western blot with 10795-1-AP (Sestrin 2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.

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

Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10795-1-AP (Sestrin 2 antibody) at dilution of 1:400 (under 10x lens) heat mediated antigen retrieved with Tris-EDTA buffer (pH9).

Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10795-1-AP (Sestrin 2 antibody) at dilution of 1:400 (under 40x lens) heat mediated antigen retrieved with Tris-EDTA buffer (pH9).

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