Sestrin 2 Polyclonal antibody

Catalog Number: 10795-1-AP  Featured Product  113 Publications

Basic Information

Catalog Number: 10795-1-AP
Size: 150μL, Concentration: 353 μg/ml by Bradford method using BSA as the standard;
Source: Rabbit
Isotype: IgG
Immunogen Catalog Number: AG1247
GenBank Accession Number: BC013304
GeneID (NCBI): 83667
Full Name: sestrin 2
Calculated MW: 54 kDa
Observed MW: 54-60 kDa
Purification Method: Antigen affinity purification
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
Species Specificity:
human, mouse, rat
Cited Species:
Bovine, human, mouse, rat

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

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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Storage

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

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

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
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 retrieval with Tris-EDTA buffer (pH 9.0).