

For Research Use Only

Phospho-P62/SQSTM1 (Ser349) Polyclonal antibody

Catalog Number: 29503-1-AP

7 Publications



Basic Information

Catalog Number:

29503-1-AP

Size:

100ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC017222

GeneID (NCBI):

8878

UNIPROT ID:

Q13501

Full Name:

sequestosome 1

Calculated MW:

48 kDa

Observed MW:

62 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:16000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

Positive Controls:

WB : MG132 treated HeLa cells,

Background Information

Sequestosome 1 (SQSTM1/p62) is a multifunctional adaptor protein implicated in selective autophagy, cell signaling pathways, and tumorigenesis. It functions as a bridge between polyubiquitinated cargo and autophagosomes (PMID:16286508). SQSTM1 is at the cross-roads of several signaling pathways including Keap1-Nrf2 pathway, NFkB pathway, NFE2L2/NRF2 pathway, mTOR pathway and Wnt pathway. Phosphorylation and/or de-phosphorylation of p62-Ser349 may participate in the regulation of both selective autophagy and oxidative stress response (PMID: 33397898).

Notable Publications

| Author | Pubmed ID | Journal | Application |
|--------------|-----------|----------------|-------------|
| Hongrui Wang | 36244448 | J Biol Chem | WB |
| Sen Jiang | 36377876 | J Virol | WB |
| Xinying Cai | 39516485 | Cell Death Dis | IF |

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

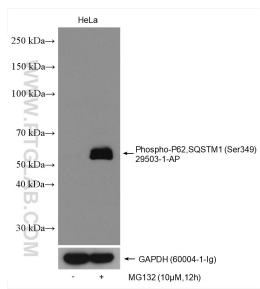
For technical support and original validation data for this product please contact:

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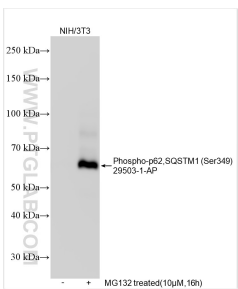
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Selected Validation Data



Non-treated HeLa cells and MG132 treated HeLa cells were subjected to SDS PAGE followed by western blot with 29503-1-AP (Phospho-P62,SQSTM1 (Ser349) antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.



Various lysates were subjected to SDS PAGE followed by western blot with 29503-1-AP (Phospho-P62,SQSTM1 (Ser349) antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.