

For Research Use Only

Phospho-P62,SQSTM1 (Ser349) Polyclonal antibody



Catalog Number: 29503-1-AP **3 Publications**

Basic Information

Catalog Number:

29503-1-AP

Size:

500 µg/ml

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

Species Specificity:

Human, Mouse

Cited Species:

human

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, NF-κB 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
Yi-Jin Wu	36860800	Drug Des Devel Ther	WB

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

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

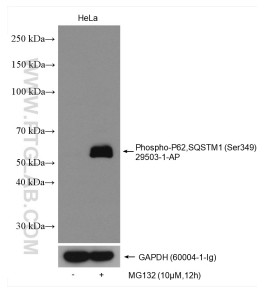
T: 4006900926

E: Proteintech-CN@ptglab.com

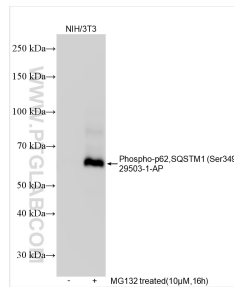
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Selected Validation Data



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.