

For Research Use Only

Phospho-P62,SQSTM1 (Ser349) Polyclonal antibody



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

Basic Information

Catalog Number: 29503-1-AP	GenBank Accession Number: BC017222	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 8878	Recommended Dilutions: WB 1:2000-1:16000
Source: Rabbit	Full Name: sequestosome 1	
Isotype: IgG	Calculated MW: 48 kDa	
	Observed MW: 62 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : MG132 treated HeLa cells, MG132 treated NIH/3T3 cells
Cited Applications: WB	
Species Specificity: Human, Mouse	
Cited Species: human	

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 , NFκB 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

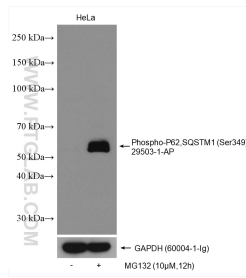
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

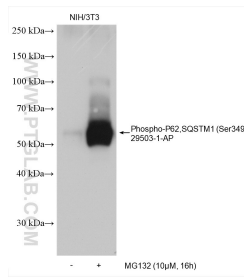
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Selected Validation Data



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.



Non-treated NIH/3T3 cells and MG132 treated NIH/3T3 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.