

For Research Use Only

# Phospho-P62/SQSTM1 (Ser349) Recombinant antibody, PBS Only

Catalog Number: 80294-2-PBS



## Basic Information

### Catalog Number:

80294-2-PBS

### Size:

100ug, Concentration: 1 mg/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:

Protein A purification

### CloneNo.:

250277E9

## Applications

### Tested Applications:

WB, Indirect ELISA

### Species Specificity:

human, mouse

## 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).

## Storage

### Storage:

Store at -80°C.

### Storage Buffer:

PBS only, pH7.3

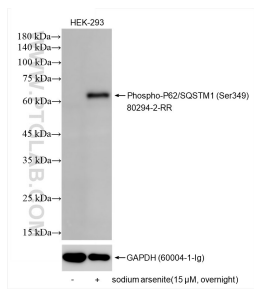
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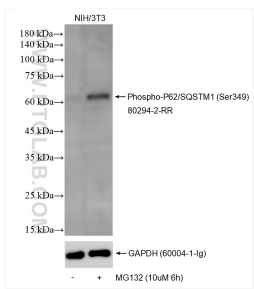
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## Selected Validation Data



Non-treated HEK-293 cells and sodium arsenite treated HEK-293 cells were subjected to SDS PAGE followed by western blot with 80294-2-RR (Phospho-P62/SQSTM1 (Ser349) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 80294-2-PBS in a different storage buffer formulation.



Non-treated NIH/3T3 cells and MG132 treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 80294-2-RR (Phospho-P62/SQSTM1 (Ser349) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH (60004-1-Ig) antibody as a loading control. This data was developed using the same antibody clone with 80294-2-PBS in a different storage buffer formulation.