

For Research Use Only

# P62,SQSTM1 Recombinant antibody, PBS Only



Catalog Number:80294-1-PBS

Featured Product

## Basic Information

Catalog Number:

80294-1-PBS

Size:

100ug , Concentration: 1 mg/ml by  
Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13131

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.:

1D17

## Applications

Tested Applications:

WB, IP, IF, FC, IHC, Indirect ELISA

Species Specificity:

Human

## Background Information

Sequestosome 1 (SQSTM1/p62) is a multifunctional adaptor protein implicated in selective autophagy, cell signaling pathways, and tumorigenesis. p62 has been implicated in shuttling ubiquitinated and aggregated proteins for autophagic degradation. p62 is degraded during the autophagic process, which makes its intracellular level a marker for autophagy progression. p62 is at the cross-roads of several signaling pathways including Ras/ Raf/ MAPK and NFκB and plays important role in cancer. p62 is a component of inclusion bodies/ protein aggregates found in human diseases, including Huntington's disease, Alzheimer's disease, Parkinson's disease, and nephropathic cystinosis (PMID: 22074114, 22860231, 22714671).

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

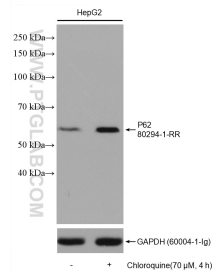
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)

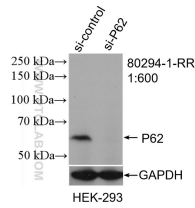
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

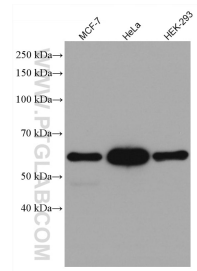
## Selected Validation Data



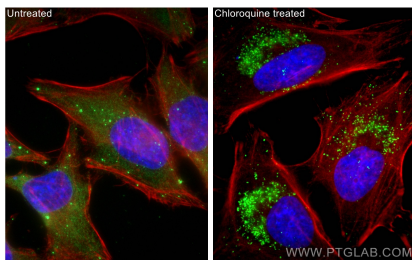
Lysates of HepG2 cells treated with Chloroquine or not were subjected to SDS PAGE followed by western blot with 80294-1-RR (P62,SQSTM1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 80294-1-PBS in a different storage buffer formulation.



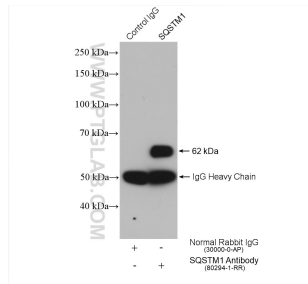
WB result of P62,SQSTM1 antibody (80294-1-RR; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-P62,SQSTM1 transfected HEK-293 cells. This data was developed using the same antibody clone with 80294-1-PBS in a different storage buffer formulation.



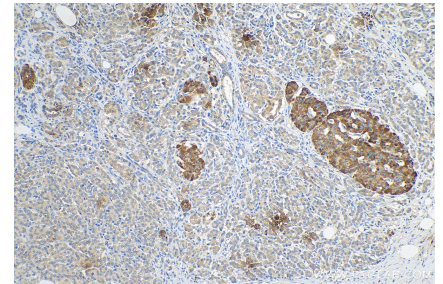
Various lysates were subjected to SDS PAGE followed by western blot with 80294-1-RR (P62,SQSTM1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 80294-1-PBS in a different storage buffer formulation.



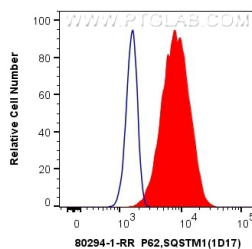
Immunofluorescent analysis of (-20°C Ethanol) fixed Chloroquine treated HeLa cells using P62,SQSTM1 antibody (80294-1-RR, Clone: 1D17) at dilution of 1:500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 80294-1-PBS in a different storage buffer formulation.



IP result of anti-P62,SQSTM1 (IP:80294-1-RR, 4ug; Detection:80294-1-RR 1:500) with HEK-293 cells lysate 1640 ug. This data was developed using the same antibody clone with 80294-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 80294-1-RR (P62,SQSTM1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 80294-1-PBS in a different storage buffer formulation.



$1 \times 10^6$  Jurkat cells were intracellularly stained with 0.4 ug Anti-Human P62,SQSTM1 (80294-1-RR, Clone:1D17) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 80294-1-PBS in a different storage buffer formulation.