

For Research Use Only

# P62/SQSTM1 Polyclonal ANTIBODY



Catalog Number: 55274-1-AP

Featured Product

3 Publications

## Basic Information

Catalog Number:  
55274-1-AP

Size:  
65 µg/150 µl

Source:  
Rabbit

Isotype:  
IgG

Purification Method:  
Antigen affinity purification

Immunogen Catalog Number:

GenBank Accession Number:  
NM\_003900

GeneID (NCBI):  
8878

Full Name:  
sequestosome 1

Calculated MW:  
48 kDa

Observed MW:  
60 kDa

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

IF 1:20-1:200

## Applications

Tested Applications:  
IF, IHC, WB, ELISA

Cited Applications:  
IHC, WB

Species Specificity:  
human, mouse, rat

Cited Species:  
human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : HEK-293 cells; MCF-7 cells

IHC : human breast cancer tissue; mouse brain tissue; mouse kidney tissue; human heart tissue

IF : HepG2 cells;

## Background Information

SQSTM1, also named as ORCA, OSIL, p60, EBIAP, A170, PDB3, ZIP3, p62 and p62B, is an adapter protein which binds ubiquitin and may regulate the activation of NFκB1 by TNF-alpha, nerve growth factor (NGF) and interleukin-1. It may play a role in titin/TTN downstream signaling in muscle cells. SQSTM1 may regulate signaling cascades through ubiquitination. It is an adapter that mediates the interaction between TRAF6 and CYLD. SQSTM1 may be involved in cell differentiation, apoptosis, immune response and regulation of K+ channels (PMD: 10356400). This antibody is specific to SQSTM1.

## Notable Publications

Author	Pubmed ID	Journal	Application
Hong-Xing Yang	31227964	Chin J Integr Med	WB
Zixuan Li	30854112	J Cancer	WB, IHC
Jiao Feng	29805476	Exp Ther Med	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

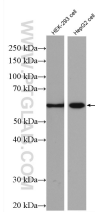
For technical support and original validation data for this product please contact:

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

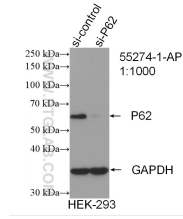
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

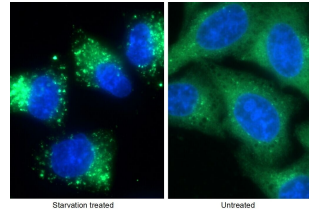
## Selected Validation Data



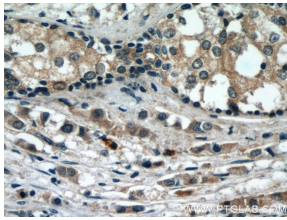
Various lysates were subjected to SDS PAGE followed by western blot with 55274-1-AP (P62/SQSTM1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours



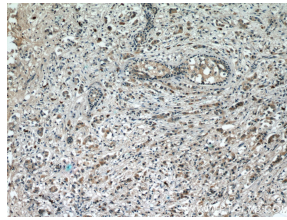
WB result of P62/SQSTM1 antibody (55274-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-P62/SQSTM1 transfected HEK-293 cells



Immunofluorescent analysis of (-20) Ethanol fixed HepG2 cells using 55274-1-AP(P62/SQSTM1 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Immunohistochemical analysis of paraffin-embedded human breast cancer using 55274-1-AP(SQSTM1 antibody) at dilution of 1:50 (under 40x lens)



Immunohistochemical analysis of paraffin-embedded human breast cancer using 55274-1-AP(SQSTM1 antibody) at dilution of 1:50 (under 10x lens)