

For Research Use Only

P62/SQSTM1 Polyclonal antibody

Catalog Number: 31403-1-AP

1 Publications



Basic Information

Catalog Number:

31403-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG35064

GenBank Accession Number:

NM_011018

GeneID (NCBI):

18412

UNIPROT ID:

Q64337

Full Name:

sequestosome 1

Calculated MW:

48 kDa

Observed MW:

62 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human

Positive Controls:

WB : NIH/3T3 cells, mouse brain tissue, RAW 264.7 cells

IP : NIH/3T3 cells,

IF/ICC : Chloroquine treated HepG2 cells,

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 NFkB and plays important role in cancer.

Notable Publications

Author	Pubmed ID	Journal	Application
Canmin Wang	39702605	Int J Colorectal Dis	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

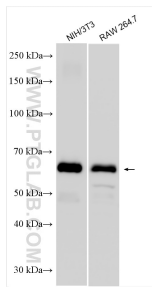
For technical support and original validation data for this product please contact:

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

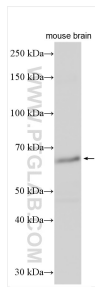
E: proteintech@ptglab.com
W: ptglab.com

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

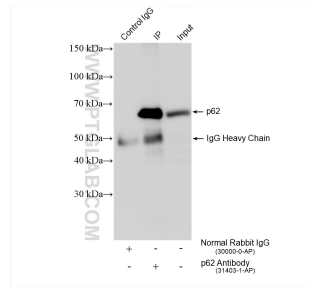
Selected Validation Data



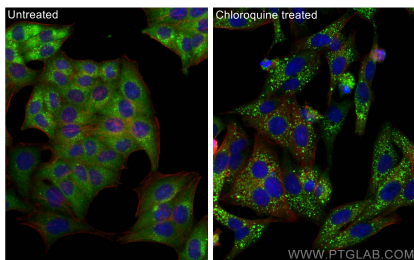
Various lysates were subjected to SDS PAGE followed by western blot with 31403-1-AP (P62,SQSTM1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 31403-1-AP (P62,SQSTM1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



IP result of anti-P62,SQSTM1 (IP:31403-1-AP, 4ug; Detection:31403-1-AP 1:5000) with NIH/3T3 cells lysate 1920 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed Chloroquine treated HepG2 cells using P62,SQSTM1 antibody (31403-1-AP) at dilution of 1:200 and CoralLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).