

For Research Use Only

P62,SQSTM1 Polyclonal antibody

Catalog Number: 31403-1-AP **1 Publications**



Basic Information

Catalog Number: 31403-1-AP	GenBank Accession Number: NM_011018	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop;	GeneID (NCBI): 18412	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
Source: Rabbit	UNIPROT ID: Q64337	
Isotype: IgG	Full Name: sequestosome 1	
Immunogen Catalog Number: AG35064	Calculated MW: 48 kDa	
	Observed MW: 62 kDa	

Applications

Tested Applications: WB, IF/ICC, IP, ELISA	Positive Controls: WB : NIH/3T3 cells, mouse brain tissue, RAW 264.7 cells IP : NIH/3T3 cells, IF/ICC : Chloroquine treated HepG2 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. 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.

Notable Publications

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

Storage

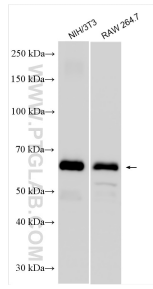
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

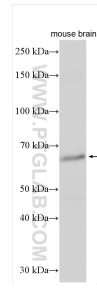
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

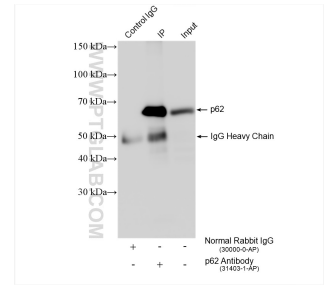
Selected Validation Data



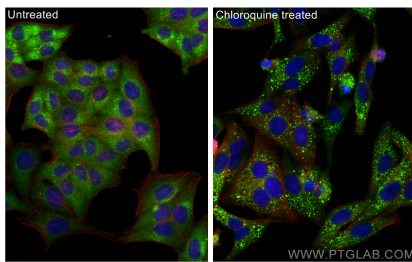
Various lysates were subjected to SDS PAGE followed by western blot with 31403-1-AP (P62,SQSTM1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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 CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).