For Research Use Only

P62/SQSTM1 Polyclonal antibody

Catalog Number:18420-1-AP

Featured Product

1816 Publications

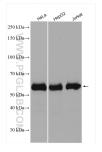
Antibodies | ELISA kits | Proteins www.ptglab.com

Basic Information	Catalog Number: 18420-1-AP Size: 150ul , Concentration: 700 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG13131	GenBank Accession BC017222 GeneID (NCBI): 8878 UNIPROT ID: Q13501 Full Name: sequestosome 1 Calculated MW: 48 kDa Observed MW: 62 kDa	Number:	Purification Method: Antigen affinity purification Recommended Dilutions: WB: 1:5000-1:50000 IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC: 1:200-1:800 IF/ICC: 1:750-1:3000 FC (Intra): 0.40 ug per 10^6 cells in a 100 µl suspension	
Applications	Tested Applications: WB, IHC, IF/ICC, FC (Intra), IP, ELISA Cited Applications: WB, IHC, IF, IP, CoIP, IHC-IF			rols: s, U2OS cells, HEK-293 cells, HepG2 i cells, Jurkat cells	
	Species Specificity: human		IP : HepG2 cel IHC : human l human liver c	ung cancer tissue, human gliomas tissue	
	Cited Species: human, rabbit, monkey, chicken, zebrafish, sheep, goat, goslings			/ICC : Chloroquine treated HepG2 cells, U2OS cells, nloroquine treated HeLa cells	
			FC (Intra) : HE	K-293 cells,	
Background Information	for autophagic degradation. p62 is de marker for autophagy progression. p and NFkB and plays important role ir human diseases, including Huntingto cystinosis (PMID: 22074114, 228602)	sis. p62 has been imp egraded during the au 62 is at the cross-road n cancer. p62 is a comp on's disease, Alzheim 63, 22714671). The mo	licated in shuttlin tophagic process, s of several signa ponent of inclusic er's disease, Park plecular weight o	ng ubiquitinated and aggregated protein which makes its intracellular level a ling pathways including Ras/ Raf/ MAPI n bodies/ protein aggregates found in inson's disease, and nephropathic	
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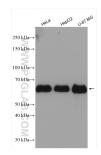
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

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.

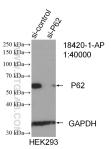
Selected Validation Data



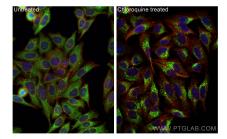
Various lysates were subjected to SDS PAGE followed by western blot with 18420-1-AP (P62,SQSTM1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



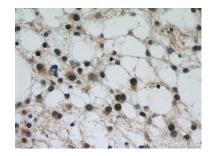
Various lysates were subjected to SDS PAGE followed by western blot with 18420-1-AP (P62,SQSTM1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



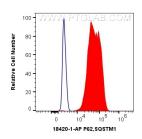
WB result of P62,SQSTM1 antibody (18420-1-AP; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-P62/SQSTM1 transfected HEK-293 cells.



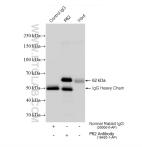
Immunofluorescent analysis of (-20°C Ethanol) fixed Chloroquine treated HepG2 cells using P62,SQSTM1 antibody (18420-1-AP) at dilution of 1:1500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffinembedded human gliomas using 18420-1-AP (SQSTM1 antibody) at dilution of 1:50 (under 40x lens).



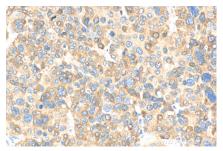
1X10^{^6} HEK-293 cells were intracellularly stained with 0.4 ug Anti-Human P62,SQSTM1 (18420-1-AP) and Coralite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



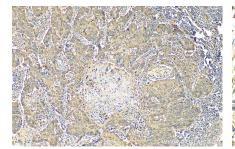
IP result of anti-P62,SQSTM1 (IP:18420-1-AP, 4ug; Detection:18420-1-AP 1:6000) with HepG2 cells lysate 1360 ug.

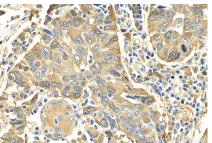


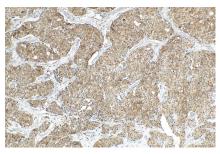
Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 18420-1-AP (P62,SQSTM1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



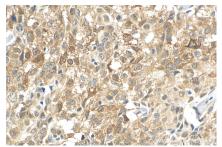
Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 18420-1-AP (P62,SQSTM1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



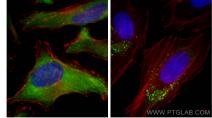




Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 18420-1-AP (P62,SQSTM1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 18420-1-AP (P62,SQSTM1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 18420-1-AP (P62,SQSTM1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 18420-1-AP (P62,SQSTM1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed Chloroquine treated HeLa cells using P62,SQSTM1 antibody (18420-1-AP) at dilution of 1:500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), (CL594-Phalloidin, red).