For Research Use Only

P62/SQSTM1 Polyclonal antibody Catalog Number: 18420-1-AP Featured Product 1816 Publication

Featured Product 1816 Publications

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Basic Information	Latalog Number: 18420-1-AP	Catalog Number: GenBank Accession Number: 18420-1-AP BC017222		Purification Method: Antigen affinity purification	
	Concentration:	GenelD (NCBI):		Recommended Dilutions: WB: 1:5000-1:50000 IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate	
	700 ug/ml	8878			
	Source: Rabbit	UNIPROT ID: Q13501			
	Isotype: IgG Immunogen Catalog Number: AG13131	Full Name: sequestosome 1		IHC: 1:200-1:800 IF/ICC: 1:750-1:3000 FC (Intra): 0.40 ug per 10^6 cells in a	
		Calculated MW: 48 kDa		100 µl suspension	
		Observed MW: 62 kDa			
Applications	Tested Applications:	C A	Positive Co	Controls:	
	WB, IHC, IF/ICC, FC (Intra), IP, ELISA Cited Applications: WB, IHC, IF, IP, CoIP, IHC-IF			WB : HeLa cells, U2OS cells, HEK-293 cells, HepG2 cells, U-87 MG cells, Jurkat cells	
			IP : HepG2	IP : HepG2 cells, U2OS cells	
	Species Specificity: human			IHC : human lung cancer tissue, human gliomas tissue human liver cancer tissue	
	Cited Species: human, rabbit, monkey, chicken, zebrafish, sheep, goat, goslings			lloroquine treated HepG2 cells, U2OS cells ne treated HeLa cells	
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			HEK-293 cells,	
	retrieval may be performed				
Background Informatior	retrieval may be performed buffer pH 6.0 Sequestosome 1 (SQSTM1/p62) is signaling pathways, and tumorige for autophagic degradation. p62 is marker for autophagy progressior and NF K B and plays important ro human diseases, including Huntir cystinosis (PMID: 22074114, 2286	d with citrate s a multifunctional ada enesis. p62 has been in s degraded during the n. p62 is at the cross-ro ole in cancer. p62 is a c ngton's disease, Alzhei 50231, 22714671). The	mplicated in shu autophagic proce ads of several si component of incl imer's disease, P molecular weigh	plicated in selective autophagy, cell ttling ubiquitinated and aggregated protein ess, which makes its intracellular level a gnaling pathways including Ras/ Raf/ MAP lusion bodies/ protein aggregates found in arkinson's disease, and nephropathic tt of p62 is predicted to be 48/ 38 kDa wody detects the bands around 45-48 kDa	
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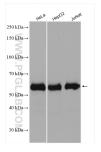
T: 4006900926

E: Proteintech-CN@ptglab.com

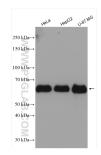
W: ptgcn.com

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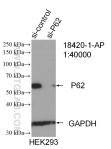
Selected Validation Data



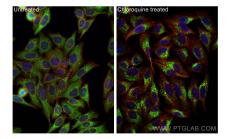
Various lysates were subjected to SDS PAGE followed by western blot with 18420-1-AP (P62,SQSTM1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



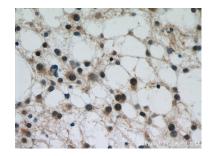
Various lysates were subjected to SDS PAGE followed by western blot with 18420-1-AP (P62,SQSTM1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



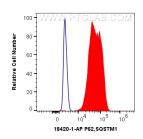
WB result of P62,SQSTM1 antibody (18420-1-AP; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-P62/SQSTM1 transfected HEK-293 cells.



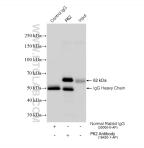
Immunofluorescent analysis of (-20°C Ethanol) fixed Chloroquine treated HepG2 cells using P62,SQSTM1 antibody (18420-1-AP) at dilution of 1:1500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



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



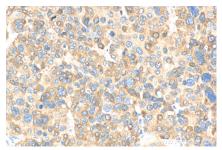
1X10^{^6} HEK-293 cells were intracellularly stained with 0.4 ug Anti-Human P62,SQSTM1 (18420-1-AP) and Coralite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



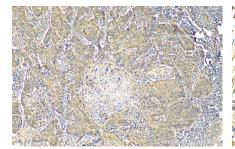
IP result of anti-P62,SQSTM1 (IP:18420-1-AP, 4ug; Detection:18420-1-AP 1:6000) with HepG2 cells lysate 1360 ug.

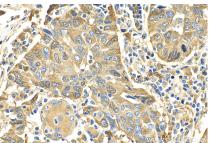


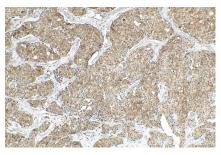
Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 18420-1-AP (P62,SQSTM1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



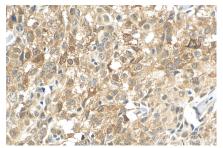
Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 18420-1-AP (P62,SQSTM1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).







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). WWW.PTGLAB.COM

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).