For Research Use Only

P62/SQSTM1 Monoclonal antibody

Catalog Number:66184-1-lg Featured Product 164 Publications

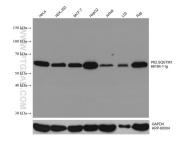


Basic Information	Catalog Number: 66184-1-Ig	GenBank Accession BC017222	Number:	Purification Method: Protein A purification	
	Concentration:	Genel D (NCBI): 8878		CloneNo.: 1H5C1	
	2000 ug/ml Source:	UNIPROT ID:		Recommended Dilutions:	
	Mouse	Q13501		WB 1:5000-1:50000 IHC 1:2000-1:8000 IF/ICC 1:200-1:800	
	lsotype: IgG2b	Full Name: sequestosome 1			
	Immunogen Catalog Number: AG13131	Calculated MW: 48 kDa			
		Observed MW: 62 kDa			
Applications	Tested Applications:		Positive Con	Positive Controls:	
	WB, IHC, IF/ICC, IP, ELISA Cited Applications: WB, IHC, IF, IP, CoIP		WB : HeLa cells, U2OS cells, K-562 cells, HEK-293 cell MCF-7 cells, HepG2 cells, Jurkat cells, LO2 cells, Raji cells		
	Species Specificity: human		IHC : human lung cancer tissue, human colon cancer tissue, human liver cancer tissue, human endometria		
	Cited Species:		cancer tissue		
	human, pig, monkey, bovine Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0		IF/ICC : U2OS cells, Starvation treated HepG2 cells, Chloroquine treated U2OS cells, Chloroquine treated HepG2 cells		
					Background Information
	uns antibody demonstrate the me				
Notable Publications		Pubmed ID Jou	rnal	Application	
Notable Publications	Author		rnal d'Oncol	Application WB	
Notable Publications	Author Yushan Mao	36175702 Med			
Notable Publications	Author Yushan Mao Wenbin Pei	36175702 Med 34650433 Fro	d Oncol	WB	

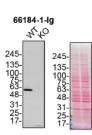
For technical support and original validation data for this product please contact: T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

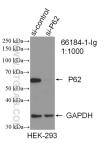
Selected Validation Data



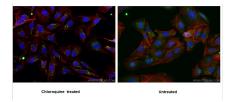
Various lysates were subjected to SDS PAGE followed by western blot with 66184-1-lg (P62,SQSTM1 antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRPconjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



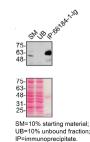
U2OS (WT and SQSTM1 KO) lysates prepared with RIPA buffer, 25 μ g protein loaded. 66184-1-1g incubated at 1:1000 at 4°C overnight in 5% milk in TBST. Ponceau stained transfers shown on right. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve scientific reproducibility and transparency.



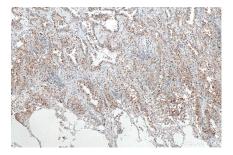
WB result of P62,SQSTM1 antibody (66184-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-P62/SQSTM1 transfected HEK-293 cells.



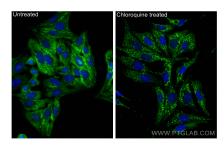
Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using P62/SQSTM1 antibody (66184-1-Ig, Clone: 1H5C1) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



U2OS lysates prepared and IP of SQSTM1 performed using 1.0 μ g of 66184-1-1g coupled to protein G- Sepharose beads. The Ponceau stained transfers of each blot are shown. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve scientific reproducibility and transparency.



Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 66184-1-1g (P62,SQSTM1 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed Chloroquine treated HepG2 cells using P62,SQSTM1 antibody (66184-1-Ig, Clone: 1H5C1) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1).