À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-P62,SQSTM1

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Numéro de catalogue:18420-1-AP Phare 1215 Publications

Informations de base

Numéro de catalogue:
18420-1-AP

Taille:
150ul , Concentration: 700 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG13131

Numéro d'acquisition GenBank:
BC017222

Identification du gène (NCBI):
8878

Nom complet:
sequestosome 1

MW calculé
48 kDa

MW observés:
62 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:5000-1:50000
IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
IHC 1:50-1:500
IF 1:750-1:3000

Applications

Applications testées:
FC, IF, IHC, IP, WB, ELISA

Demandes citées:
CoIP, IF, IHC, IP, WB

Spécificité de l'espèce:
Humain

Espèces citées:
Chèvre, Humain, Lapin, poisson-zèbre, porc, poulet, singe, Hamster, oisons

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HeLa, cellules HEK-293, cellules HepG2, cellules Jurkat, cellules MG U-87, cellules U2OS

IP : cellules HEK-293, cellules U2OS

IHC : tissu de cancer du foie humain, tissu de gliome humain

IF : cellules HepG2 traitées à la chloroquine, cellules HeLa traitées à la chloroquine, cellules HepG2 traitées par déprivation, cellules U2OS

Informations générales

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. p62 is a component of inclusion bodies/ protein aggregates found in human diseases, including Huntington's disease, Alzheimer's disease, Parkinson's disease, and nephropathic cystinosis (PMID: 22074114, 22860231, 22714671). The molecular weight of p62 is predicted to be 48/ 38 kDa (depending on the isoform), while western blot analyses using this antibody detects the bands around 45-48 kDa and 60-62 kDa, respectively.

Publications notables

Autrice	Pubmed ID	Journal	Application
Xin Xu	36178722	Environ Toxicol	WB,IF
Zeen Zhu	36248959	Front Oncol	WB,IHC
Huanshan He	36183753	Int J Biol Macromol	IF,WB

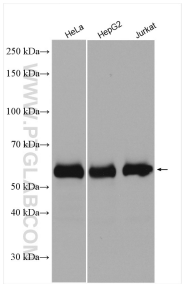
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

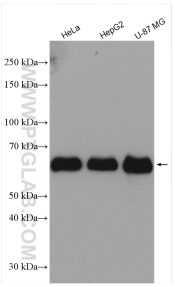
***** Les 20ul contiennent 0,1% de BSA.**

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

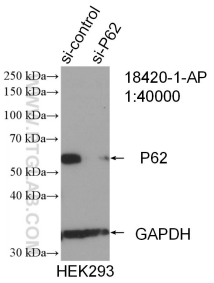
Données de validation sélectionnées



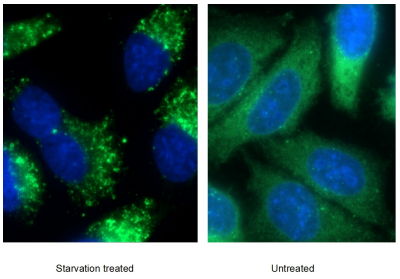
Various lysates were subjected to SDS PAGE followed by western blot with 18420-1-AP (P62,SQSTM1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



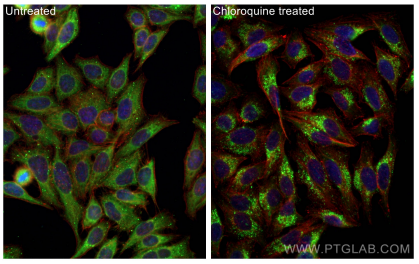
Various lysates were subjected to SDS PAGE followed by western blot with 18420-1-AP (P62,SQSTM1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



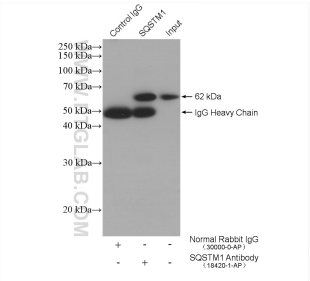
WB result of P62,SQSTM1 antibody (18420-1-AP; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-P62/SQSTM1 transfected HEK-293 cells.



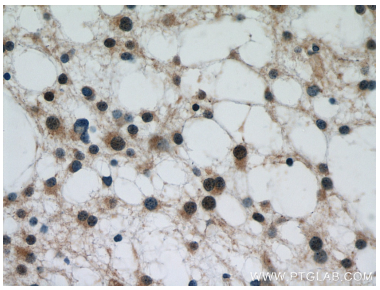
Immunofluorescent analysis of (-20°C Ethanol) fixed Starvation treated HepG2 cells using 18420-1-AP (P62,SQSTM1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



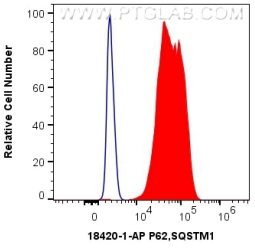
Immunofluorescent analysis of (-20°C Ethanol) fixed Chloroquine treated HepG2 cells using P62,SQSTM1 antibody (18420-1-AP) at dilution of 1:1500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



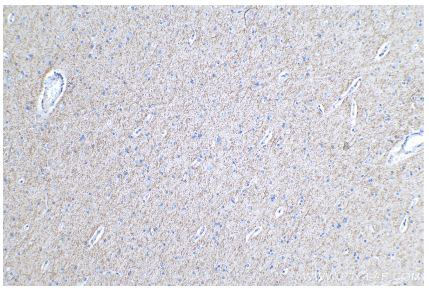
IP result of anti-P62,SQSTM1 (IP:18420-1-AP, 4ug; Detection:18420-1-AP 1:1000) with HEK-293 cells lysate 4000 ug.



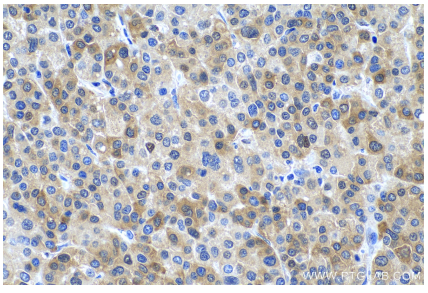
Immunohistochemical analysis of paraffin-embedded human gliomas using 18420-1-AP (SQSTM1 antibody) at dilution of 1:50 (under 40x lens).



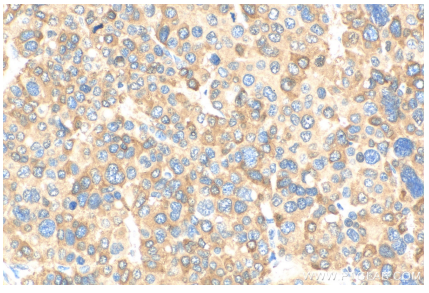
1X10^6 HEK-293 cells were intracellularly stained with 0.4 ug Anti-Human P62,SQSTM1 (18420-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



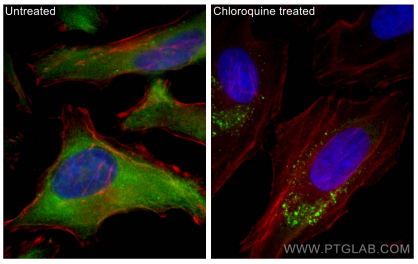
Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 18420-1-AP (P62,SQSTM1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded 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 paraffin-embedded human liver cancer tissue slide using 18420-1-AP (P62,SQSTM1 antibody) at dilution of 1:500 (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).

Immunohistochemical analysis of paraffin-embedded 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).