À des fins de recherche uniquement

Anticorps Monoclonal anti-P62,SQSTM1

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:66184-1-Ig Phare 94 Publications

Informations de base

Numéro de catalogue:
66184-1-Ig

Taille:
150ul , Concentration: 2000 μg/ml by Nanodrop and 1167 μg/ml by Bradford method using BSA as the standard;

Hôte:
Mouse

Isotype:
IgG2b

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 protéine A

CloneNo.:
1H5C1

Dilutions recommandées:
WB 1:5000-1:50000
IHC 1:2000-1:8000
IF 1:200-1:800

Applications

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

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

Spécificité de l'espèce:
Humain

Espèces citées:
bovin, Humain, porc, singe

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 K-562, cellules L02, cellules MCF-7, cellules Raji, cellules U2OS

IHC : tissu de cancer du poumon humain, tissu de cancer de l'endomètre humain, tissu de cancer du côlon humain, tissu de cancer du foie humain

IF : cellules U2OS, cellules HepG2 traitées par déprivation, cellules U2OS traitées à la chloroquine, tissu cérébral de rat, tissu cérébral de souris

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 sometimes aggregated proteins for autophagic degradation. As a autophagy-specific substrate, p62 is degraded during the autophagic process, which makes intracellular level of p62 as a marker for autophagy flux. 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 in the brain, and nephropathic cystinosis in kidney (PMID: 22074114, 22860231, 22714671). The molecular weight of p62 is predicted as 48/ 38 kDa, while western blot analyses using this antibody demonstrate the major band around 60-62 kDa in various tissues.

Publications notables

Autrice	Pubmed ID	Journal	Application
Yushan Mao	36175702	Med Oncol	WB
Wenbin Pei	34650433	Front Pharmacol	WB
Lei Zhao	34582963	Food Chem Toxicol	WB

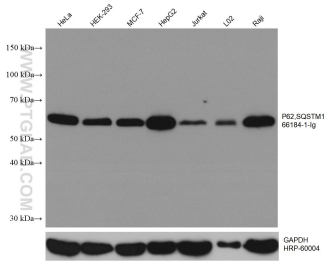
Stockage

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

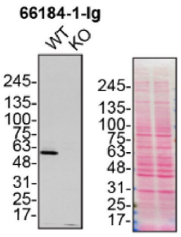
*** Les 20ul contiennent 0,1% de BSA.

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

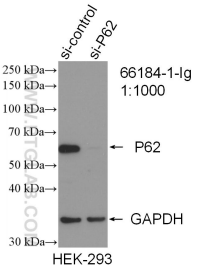
Données de validation sélectionnées



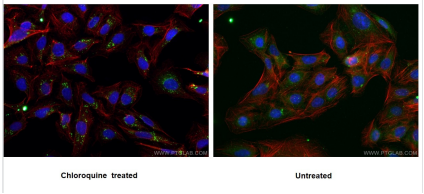
Various lysates were subjected to SDS PAGE followed by western blot with 66184-1-Ig (P62,SQSTM1 antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



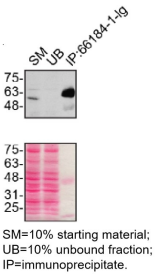
U2OS (WT and SQSTM1 KO) lysates prepared with RIPA buffer, 25 µg protein loaded. 66184-1-Ig incubated at 1:1000 at 4°C overnight in 5% milk in TBST. Ponceau stained transfers shown on right. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve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

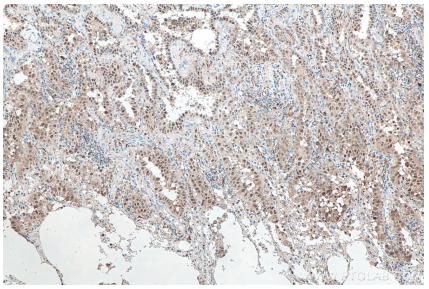


Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using P62/SQSTM1 antibody (66184-1-Ig, Clone: 1H5C1) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).

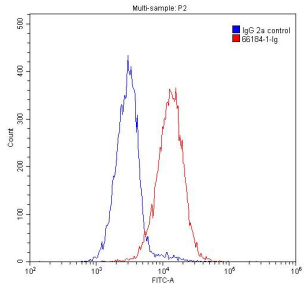


SM=10% starting material;
UB=10% unbound fraction;
IP=immunoprecipitate.

U2OS lysates prepared and IP of SQSTM1 performed using 1.0 µg of 66184-1-Ig 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 paraffin-embedded human lung cancer tissue slide using 66184-1-Ig (P62,SQSTM1 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10^6 Jurkat cells were stained with 0.20ug P62,SQSTM1 antibody (66184-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH.