

Nur für Forschungszwecke

# P62,SQSTM1 Monoklonaler Antikörper



Katalog-Nr.:66184-1-Ig

Vorgestelltes Produkt

84 Publikationen

## Allgemeine Informationen

Katalog-Nr.:  
66184-1-Ig

Größe:  
150ul, Konzentration: 2000 µg/ml von 8878  
Nanodrop und 1167 µg/ml durch die  
Bradford-Methode mit BSA als  
Standard;

Wirt:  
Maus

Isotyp:  
IgG2b

Immunogen Katalognummer:  
AG13131

GenBank-Zugangsnummer:  
BC017222

GeneID (NCBI):

Vollständiger Name:  
sequestosome 1

Berechnete Masse:  
48 kDa

Beobachtete Masse:  
62 kDa

Reinigungsmethode:  
Protein-A-Reinigung

CloneNo.:  
1H5C1

Empfohlene Verdünnungen:  
WB 1:5000-1:50000  
IHC 1:2000-1:8000  
IF 1:200-1:800

## Anwendungen

Geprüfte Anwendungen:  
FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:  
CoIP, IF, IHC, IP, WB

Getestete Reaktivität:  
Human

Zitierte Arten:  
Affe, Hausschwein, Human, Rind

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

Positivkontrollen:

WB: HeLa-Zellen, HEK-293-Zellen, HepG2-Zellen, Jurkat-Zellen, K-562-Zellen, LO2-Zellen, MCF-7-Zellen, Raji-Zellen, U2OS-Zellen

IHC: humanes Lungenkarzinomgewebe, humanes Endometriumkarzinomgewebe, humanes Kolonkarzinomgewebe, humanes Leberkarzinomgewebe

IF: U2OS-Zellen, Ausgehungerte HepG2-Zellen, Maushirngewebe, mit Chloroquin behandelte U2OS-Zellen, Rattenhirngewebe

## Hintergrundinformationen

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.

## Bemerkenswerte Veröffentlichungen

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

## Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

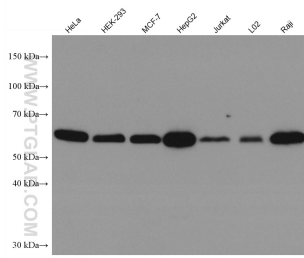
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

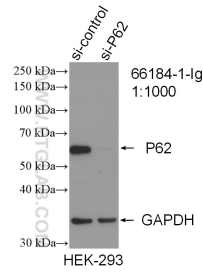
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

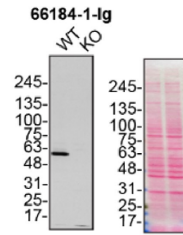
## Ausgewählte Validierungsdaten



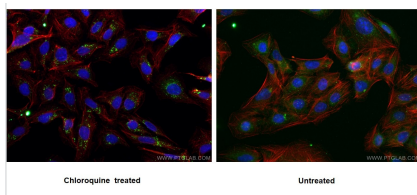
Various lysates were subjected to SDS PAGE followed by western blot with 66184-1-Ig (P62,SQSTM1 antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours.



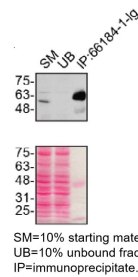
WB result of P62,SQSTM1 antibody (66184-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-P62/SQSTM1 transfected HEK-293 cells.



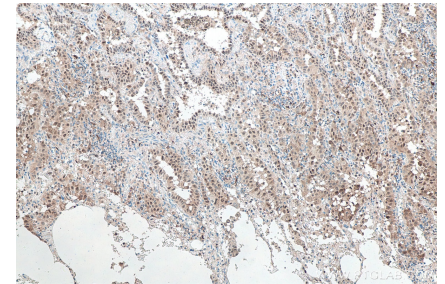
U2OS (WT and SQSTM1 KO) lysates prepared with RIPA buffer, 25 µg protein loaded. 66184-1-Ig incubated at 1:1000 at 4°C overnight in 5% milk in TBST. Ponceau stained transfers shown on right. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve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



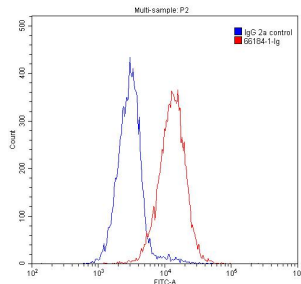
Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using P62/SQSTM1 antibody (66184-1-Ig, Clone: 1H5C1) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



U2OS lysates prepared and IP of SQSTM1 performed using 1.0 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<sup>6</sup> Jurkat cells were stained with 0.20 µg P62,SQSTM1 antibody (66184-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH.