

Nur für Forschungszwecke

# P62,SQSTM1 Rekombinanter Antikörper



Katalog-Nr.:80294-1-RR

Vorgestelltes Produkt

## Allgemeine Informationen

Katalog-Nr.:  
80294-1-RR

Größe:  
100ul, Konzentration: 1000 µg/ml von8878  
Nanodrop;

Wirt:  
Kaninchen

Isotyp:  
IgG

Immunogen Katalognummer:  
AG13131

GenBank-Zugangsnummer:  
BC017222

GeneID (NCBI):  
von8878

Vollständiger Name:  
sequestosome 1

Berechnete Masse:  
48 kDa

Beobachtete Masse:  
62 kDa

Reinigungsmethode:  
Protein-A-Reinigung

CloneNo.:  
1D17

Empfohlene Verdünnungen:  
WB 1:2000-1:10000  
IP 0.5-4.0 µg für IP und 1:500-1:1000  
für WB  
IHC 1:50-1:500  
IF 1:250-1:1000

## Anwendungen

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

Getestete Reaktivität:  
Human

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

Positivkontrollen:

WB : HepG2-Zellen, HEK-293-Zellen, HeLa-Zellen, MCF-7-Zellen

IP : HEK-293-Zellen,

IHC : humanes Pankreaskarzinomgewebe, humanes Magenkrebsgewebe

IF : mit Chloroquin behandelte HeLa-Zellen,

## 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 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).

## 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

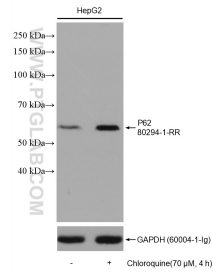
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

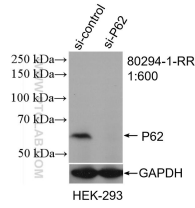
E: proteintech@ptglab.com  
W: ptglab.com

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

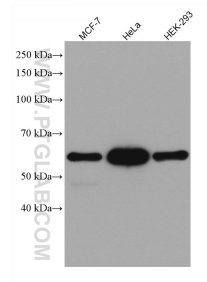
## Ausgewählte Validierungsdaten



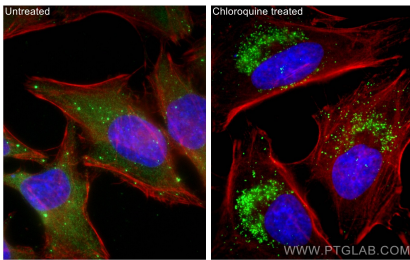
Lysates of HepG2 cells treated with Chloroquine or not were subjected to SDS PAGE followed by western blot with 80294-1-RR (P62,SQSTM1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



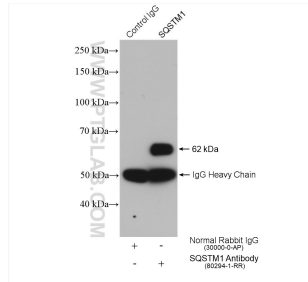
WB result of P62,SQSTM1 antibody (80294-1-RR; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-P62,SQSTM1 transfected HEK-293 cells.



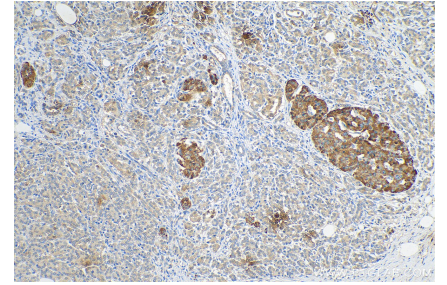
Various lysates were subjected to SDS PAGE followed by western blot with 80294-1-RR (P62,SQSTM1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed Chloroquine treated HeLa cells using P62,SQSTM1 antibody (80294-1-RR, Clone: 1D17) at dilution of 1:500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



IP result of anti-P62,SQSTM1(IP:80294-1-RR, 4μg; Detection:80294-1-RR 1:500) with HEK-293 cells lysate 1640 μg.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 80294-1-RR (P62,SQSTM1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).