

Allgemeine Informationen

Katalog-Nr.:

55274-1-AP

Größe:

150ul , Konzentration: 433 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:

Kaninchen

Isotyp:

IgG

GenBank-Zugangsnummer:

NM_003900

GeneID (NCBI):

8878

Vollständiger Name:

sequestosome 1

Berechnete Masse:

48 kDa

Beobachtete Masse:

60 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:500-1:1000

IHC 1:20-1:200

IF 1:20-1:200

Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte

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

Positivkontrollen:

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

IHC : humanes Mammakarzinomgewebe, humanes Herzgewebe, Maushirngewebe, Mausnierengewebe

IF : HepG2-Zellen, U2OS-Zellen

Hintergrundinformationen

SQSTM1, also named as ORCA, OSIL, p60, EBIAP, A170, PDB3, ZIP3, p62 and p62B, is an adapter protein which binds ubiquitin and may regulate the activation of NFKB1 by TNF-alpha, nerve growth factor (NGF) and interleukin-1. It may play a role in titin/TTN downstream signaling in muscle cells. SQSTM1 may regulate signaling cascades through ubiquitination. It is an adapter that mediates the interaction between TRAF6 and CYLD. SQSTM1 may be involved in cell differentiation, apoptosis, immune response and regulation of K⁺ channels (PMID: 10356400). This antibody is specific to SQSTM1.

Bemerkenswerte Veröffentlichungen

Verfasser

Xue Gao

Pubmed ID

33071778

Journal

Front Pharmacol

Anwendung

WB,IF

Lien Veys

34557068

Front Neurosci

IF

Yuan Cao

31731808

Nutrients

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

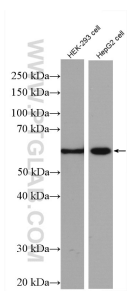
For technical support and original validation data for this product please contact:

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

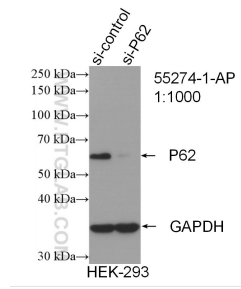
E: proteintech@ptglab.com
 W: ptglab.com

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

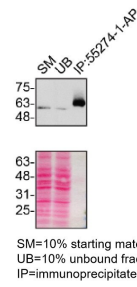
Ausgewählte Validierungsdaten



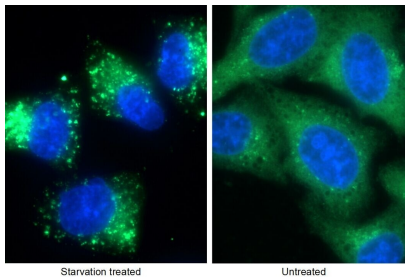
Various lysates were subjected to SDS PAGE followed by western blot with 55274-1-AP (P62/SQSTM1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



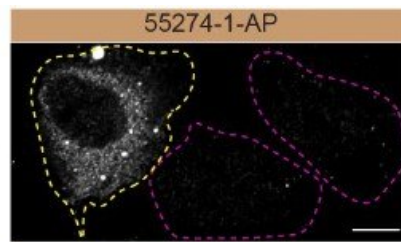
WB result of P62/SQSTM1 antibody (55274-1-AP; 1:1000); incubated at room temperature for 1.5 hours) with sh-Control and sh-P62/SQSTM1 transfected HEK-293 cells.



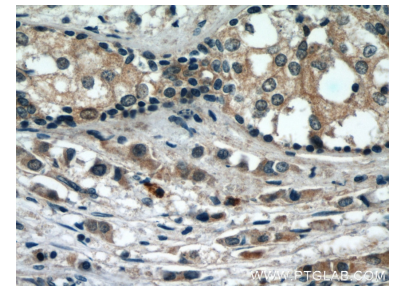
U2OS lysates prepared and IP of SQSTM1 performed using 1.0 µg of 55274-1-AP coupled to protein A- Sepharose beads. The Ponceau stained transfers of each blot are shown. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve scientific reproducibility and transparency.



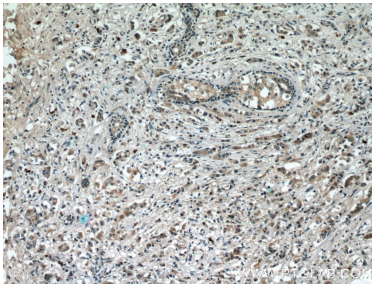
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 55274-1-AP (P62/SQSTM1 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



U2OS WT cells (yellow outline) and SQSTM1 KO cells (red outline) labelled with a green or a far-red fluorescence dye, respectively. Cells fixed with 4% PFA and stained with 55274-1-AP at 1:300. Bars = 10 µm. 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 breast cancer using 55274-1-AP (SQSTM1 antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer using 55274-1-AP (SQSTM1 antibody) at dilution of 1:50 (under 10x lens).