

SQSTM1/p62 Rabbit mAb

Catalog No.: A19700

Recombinant

214 Publications

Basic Information

Observed MW

62kDa

Calculated MW

48kDa

Category

Monoclonal Antibodies

Applications

WB, IP, IF/ICC, IHC-P, ELISA

Cross Reactivity

Human, Mouse, Rat

Clone No.

ARC0180

Background

This gene encodes a multifunctional protein that binds ubiquitin and regulates activation of the nuclear factor kappa-B (NF-κB) signaling pathway. The protein functions as a scaffolding/adaptor protein in concert with TNF receptor-associated factor 6 to mediate activation of NF-κB in response to upstream signals. Alternatively spliced transcript variants encoding either the same or different isoforms have been identified for this gene. Mutations in this gene result in sporadic and familial Paget disease of bone.

Recommended Dilutions

WB 1:4000 - 1:20000**IP**

0.5μg-4μg antibody for 200μg-400μg extracts of whole cells

IF/ICC 1:50 - 1:200**IHC-P** 1:500 - 1:5000**ELISA**

Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

8878

Swiss-Prot

Q13501

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

p60; p62; A170; DMRV; OSIL; PDB3; ZIP3; p62B; NADGP; FTDALS3; SQSTM1/p62

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

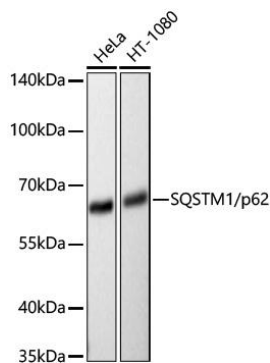
Purity

Affinity purification

Storage

Store at -20°C

Validation Data



Western blot analysis of various lysates using SQSTM1/p62 Rabbit mAb (A19700) at 1:20000 dilution incubated overnight at 4°C.

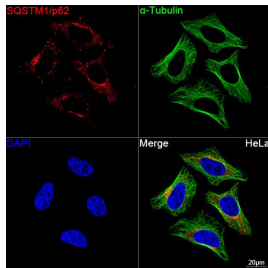
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

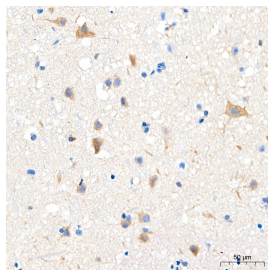
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

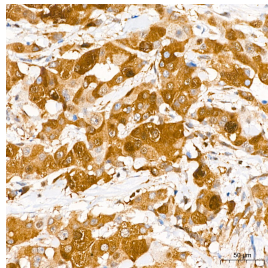
Exposure time: 30s.



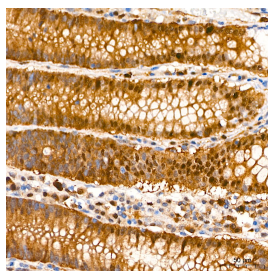
Confocal imaging of HeLa cells using SQSTM1/p62 Rabbit mAb (A19700, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



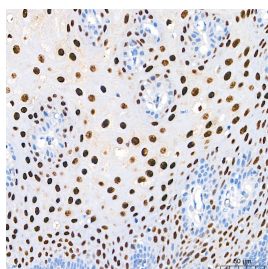
Immunohistochemistry analysis of paraffin-embedded Human brain tissue using SQSTM1/p62 Rabbit mAb (A19700) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



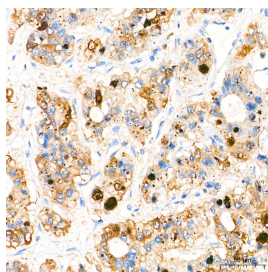
Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using SQSTM1/p62 Rabbit mAb (A19700) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



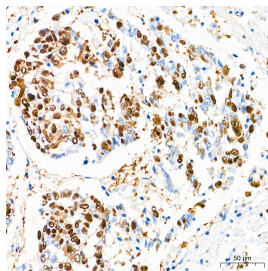
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using SQSTM1/p62 Rabbit mAb (A19700) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



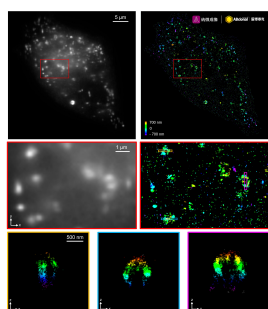
Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using SQSTM1/p62 Rabbit mAb (A19700) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



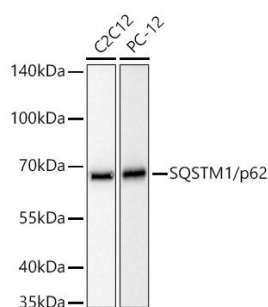
Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using SQSTM1/p62 Rabbit mAb (A19700) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human lung squamous carcinoma tissue using SQSTM1/p62 Rabbit mAb (A19700) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



The STORM super-resolution (SR) imaging of HeLa cells using SQSTM1/p62 Rabbit mAb (A19700, ABclonal) at dilution of 1:200 with 3% paraformaldehyde (PFA) +0.1% glutaraldehyde (GA) fixation. The immunostaining was performed by Full Automatic Immunofluorescence Workflow System (Workflow Ultra300, Nano-Micro imaging, China). Image was performed with Single-Molecule Localization Super-Resolution Microscopy (STORM Ultra300, Nano-Micro imaging, China). We acknowledge Nano-Micro imaging Biotechnology Co., Ltd. (宁波纳微成像生物科技有限公司) in SR image processing and kindly providing this image.



Western blot analysis of various lysates using SQSTM1/p62 Rabbit mAb (A19700) at 1:20000 dilution incubated overnight at 4°C.

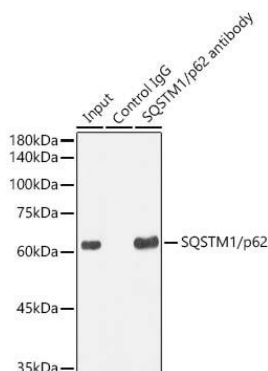
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

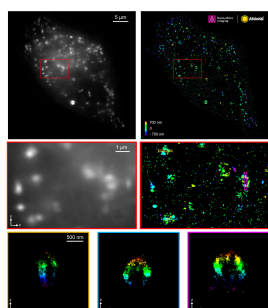
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.



Immunoprecipitation analysis of 300 µg extracts from HeLa cells using 3 µg SQSTM1/p62 Rabbit mAb (A19700). Western blot was performed from the immunoprecipitate using SQSTM1/p62 Rabbit mAb (A19700) at a dilution of 1:1000.



The STORM super-resolution (SR) imaging of HeLa cells using SQSTM1/p62 Rabbit mAb (A19700, ABclonal) at dilution of 1:200 with 3% paraformaldehyde (PFA) +0.1% glutaraldehyde (GA) fixation. The immunostaining was performed by Full Automatic Immunofluorescence Workflow System (Workflow Ultra300, Nano-Micro imaging, China). Image was performed with Single-Molecule Localization Super-Resolution Microscopy (STORM Ultra300, Nano-Micro imaging, China). We acknowledge Nano-Micro imaging Biotechnology Co., Ltd. in SR image processing and kindly providing this image.