A19700

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SQSTM1/p62 Rabbit mAb

Catalog No.: A19700 Recombinant 81 Publications

Basic Information

Observed MW
62kDa

Calculated MW
48kDa

Category
SMab Recombinant Monoclonal Antibody

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

Cross-Reactivity
Human,Mouse,Rat

CloneNo number
ARC0180

Background

This gene encodes a multifunctional protein that binds ubiquitin and regulates activation of the nuclear factor kappa-B (NF-kB) signaling pathway. The protein functions as a scaffolding/adaptor protein in concert with TNF receptor-associated factor 6 to mediate activation of NF-kB 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	1:500 - 1:1000
IHC-P	1:500 - 1:1000
IF/ICC	1:50 - 1:200
IP	0.5μg-4μg antibody for 200μg-400μg extracts of whole cells

Immunogen Information

Gene ID
8878

Swiss Prot
Q13501

Immunogen
A synthetic peptide corresponding to a sequence within amino acids 341-440 of human SQSTM1/p62 (Q13501).

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

Contact

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Product Information

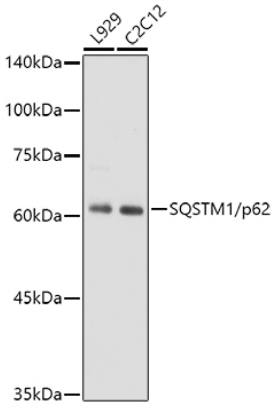
Source
Rabbit

Isotype
IgG

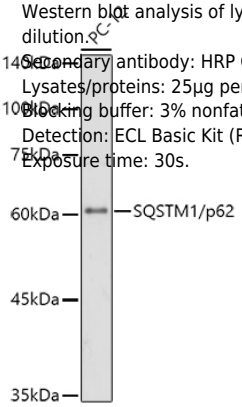
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

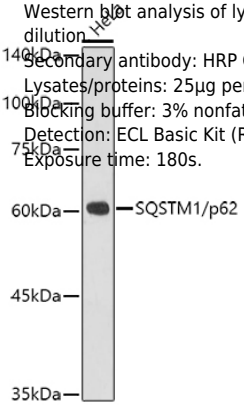
Validation Data



Western blot analysis of various lysates using SQSTM1/p62 Rabbit mAb (A19700) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.

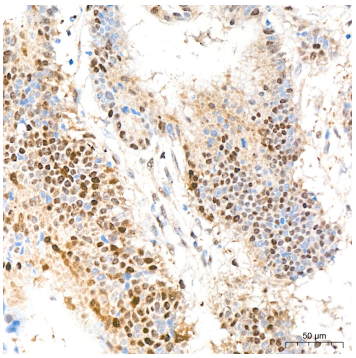


Western blot analysis of lysates from PC-12 cells, using SQSTM1/p62 Rabbit mAb (A19700) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.

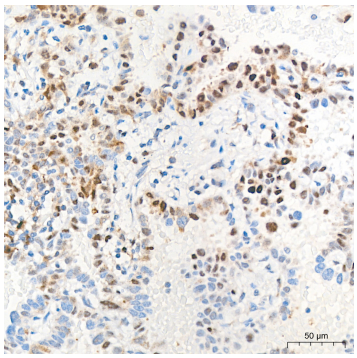


Western blot analysis of lysates from HeLa cells, using SQSTM1/p62 Rabbit mAb (A19700) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.

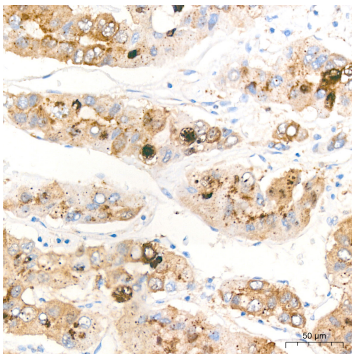
Validation Data



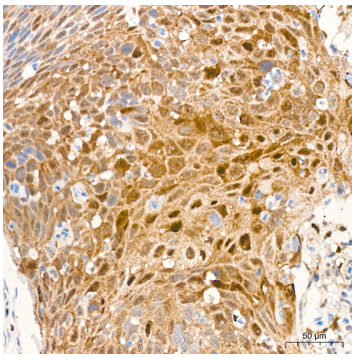
Immunohistochemistry analysis of SQSTM1/p62 in paraffin-embedded human colon carcinoma tissue using SQSTM1/p62 Rabbit mAb (A19700) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



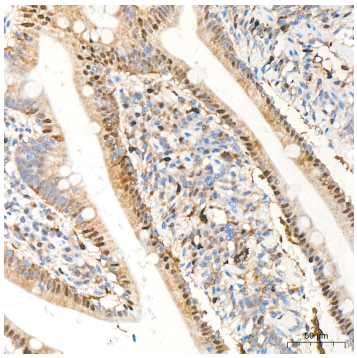
Immunohistochemistry analysis of SQSTM1/p62 in paraffin-embedded Human lung adenocarcinoma tissue using SQSTM1/p62 Rabbit mAb (A19700) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



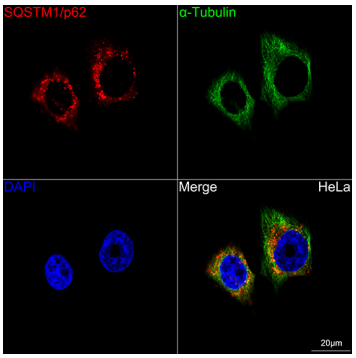
Immunohistochemistry analysis of SQSTM1/p62 in paraffin-embedded human liver cancer tissue using SQSTM1/p62 Rabbit mAb (A19700) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



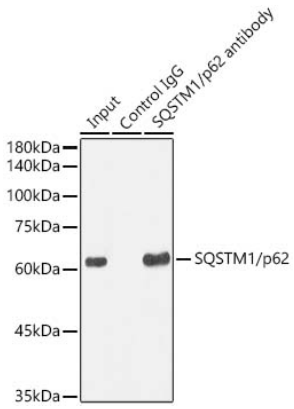
Immunohistochemistry analysis of SQSTM1/p62 in paraffin-embedded human cervix cancer tissue using SQSTM1/p62 Rabbit mAb (A19700) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of SQSTM1/p62 in paraffin-embedded human small intestine tissue using SQSTM1/p62 Rabbit mAb (A19700) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Confocal imaging of HeLa cells using SQSTM1/p62 Rabbit mAb (A19700, dilution 1:200) (Red). The cells were counterstained with Alpha-tubulin (ubiquitous) chain Rabbit mAb (AC049, dilution 1:100) (Green). DAPI was used for nuclear staining (Blue). Objective: 60x.



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 [KO Validated] SQSTM1/p62 Rabbit mAb (A19700) at a dilition of 1:1000.