Product Name: SQSTM1 Mouse Monoclonal Antibody
Catalog #: AMM81216
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC,ELISA,FC
Reactivity	Human,Mouse,Rat,Rabbit,Monkey
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:100-1:200,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	47.7kDa

Antigen Information

Gene Name	SQSTM1
Alternative Names	p60; p62; A170; OSIL; PDB3; ZIP3; p62B
Gene ID	8878.0
SwissProt ID	Q13501
Immunogen	Purified recombinant fragment of human SQSTM1 (AA: 232-356) expressed in E. Coli.

Background

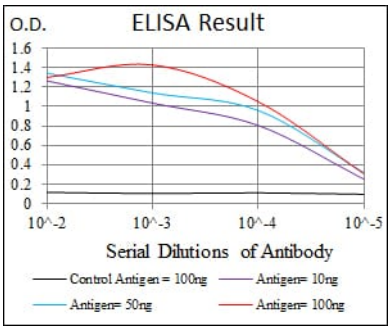
This gene encodes a multifunctional protein that binds ubiquitin and regulates activation of the nuclear factor kappa-B (NF-kB) signaling pathway. The protein functions as a scaffolding/adaptor protein in concert with TNF receptor-associated factor 6 to mediate activation of NF-kB in response to upstream 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.

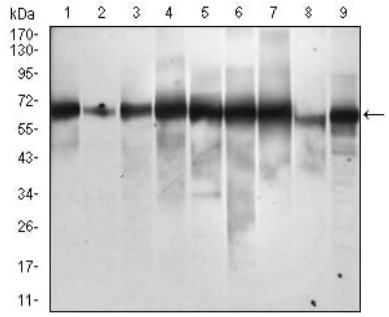
Research Area

Autophagy,Apoptosis

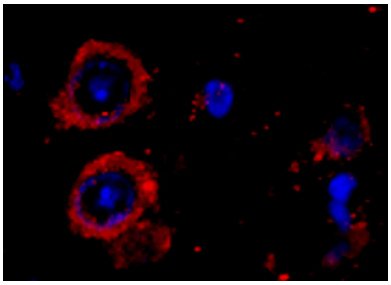
Image Data



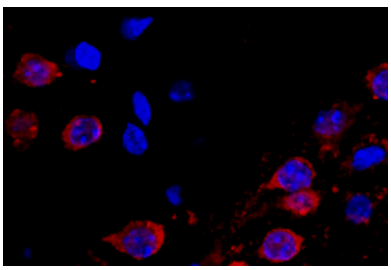
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



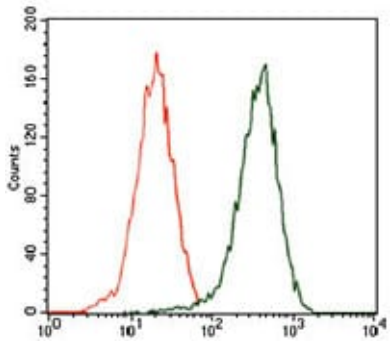
Western blot analysis using SQSTM1 mouse mAb against Hela (1), Jurkat (2), THP-1 (3), HEK293 (4), A549 (5), MCF-7 (6), HepG2 (7), COS7 (8) and SK-BR-3 (9) cell lysate.



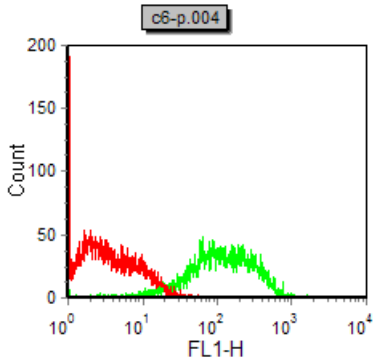
Immunofluorescence analysis of Rat cortical tissue using SQSTM1 mouse mAb (Red). Blue: DRAQ5 fluorescent DNA dye.



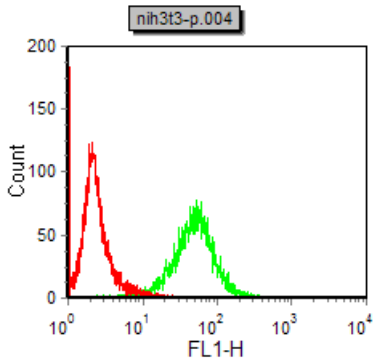
Immunofluorescence analysis of Mouse cortical tissue using SQSTM1 mouse mAb (Red). Blue: DRAQ5 fluorescent DNA dye.



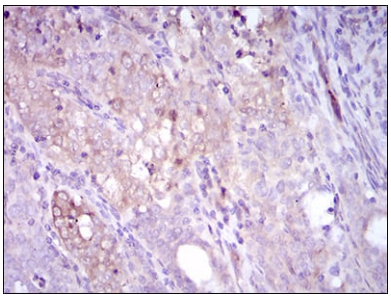
Flow cytometric analysis of HEK293 cells using SQSTM1 mouse mAb (green) and negative control (red).



Flow cytometric analysis of C6 cells using SQSTM1 mouse mAb (green) and negative control (red).



Flow cytometric analysis of NIH/3T3 cells using SQSTM1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using SQSTM1 mouse mAb with DAB staining.