

## SQSTM1 Monoclonal Antibody

### Description

<b>Product type</b>	Antibody
<b>Code</b>	BT-MCA4761
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1
<b>Size</b>	100µL, 50µL
<b>Immunogen</b>	Purified recombinant fragment of human SQSTM1 (AA: 232-356) expressed in E. Coli.
<b>Mol wt</b>	47.7kDa
<b>Species reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	WB,IHC,FCM
<b>Concentration</b>	N/A
<b>Full name</b>	N/A
<b>Synonyms</b>	p60;p62;A170;OSIL;PDB3;ZIP3;p62B

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### 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 Dilution

WB: 1:500 - 1:2000

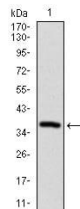
IHC-p: 1:200 - 1:1000

FCM: 1:200 - 1:400

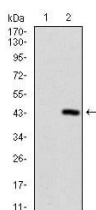
ELISA: 1:10000

Not yet tested in other applications.

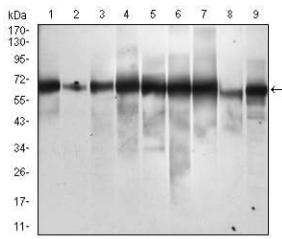
### Images



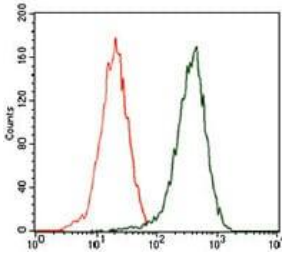
Western blot analysis using SQSTM1 mAb against human SQSTM1 recombinant protein. (Expected MW is 39.1 kDa)



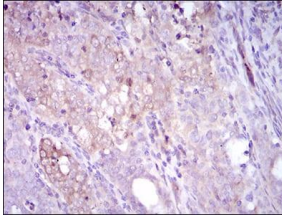
Western blot analysis using SQSTM1 mAb against HEK293 (1) and SQSTM1 (AA: 232-356)-hIgGfc transfected HEK293 (2) cell lysate.



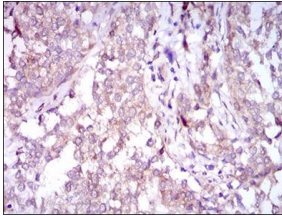
Western blot analysis using SQSTM1 mouse mAb against HeLa (1), Jurkat (2), THP-1 (3), HEK293 (4), A549 (5), MCF-7 (6), HepG2 (7), COS7 (8) and SK-BR-3 (9) cell lysate.



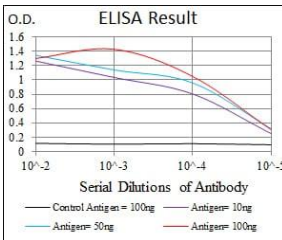
Flow cytometric analysis of HEK293 cells using SQSTM1 mouse mAb (green) and negative control (red).



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



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



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

## Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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