

## SQSTM1 Mouse monoclonal antibody

Catalog: MB9009

Host: Mouse

Reactivity: Human, Monkey, Mouse, Rat

### BackGround:

Sequestosome 1 (SQSTM1, p62) is a ubiquitin binding protein involved in cell signaling, oxidative stress and autophagy. It was first identified as a protein that binds to the SH2 domain of p56Lck and independently found to interact with PKC $\zeta$ . SQSTM1 was subsequently found to interact with ubiquitin, providing a scaffold for several signaling proteins and triggering degradation of proteins through the proteasome or lysosome. Interaction between SQSTM1 and TRAF6 leads to the K63-linked polyubiquitination of TRAF6 and subsequent activation of the NF- $\kappa$ B pathway. It may play a role in titin/TTN downstream signaling in muscle cells and regulate signaling cascades through ubiquitination. P62 may be involved in cell differentiation, apoptosis, immune response and regulation of K<sup>+</sup> channels.

### Product:

PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

### Molecular Weight:

~ 62 kDa

### Swiss-Prot:

Q13501

### Purification&Purity:

Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G).

### Applications:

WB 1:500~2000

IHC 1:150

FLOW 1:100

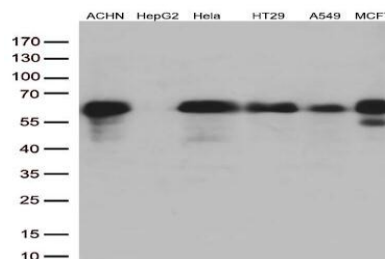
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

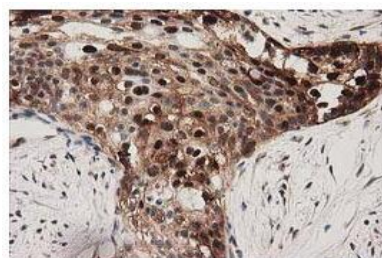
### Specificity:

This antibody detects endogenous levels of SQSTM1 and does not cross-react with related proteins.

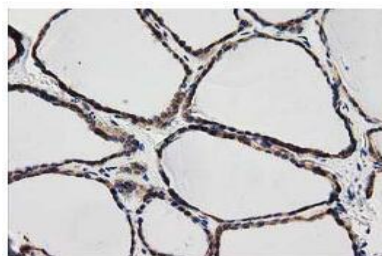
### DATA:



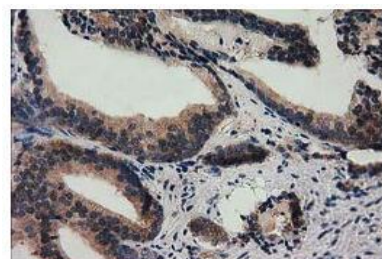
Western blot (WB) analysis of SQSTM1 Mouse mAb at 1:500 dilution



Immunohistochemical analysis of paraffin-embedded Human pancreas tissue using anti-SQSTM1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded Human thyroid tissue using anti-SQSTM1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded Human prostate tissue using anti-SQSTM1 antibody. Counter stained with hematoxylin.

### Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: [info@bioworld.com](mailto:info@bioworld.com)

Tel: 6123263284

Fax: 6122933841

### Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: [info@biogot.com](mailto:info@biogot.com)

Tel: 0086-025-68037686

Fax: 0086-025-68035151



## PRODUCT DATA SHEET

Bioworld Technology, Inc.

Note:

For research use only, not for use in diagnostic procedure.

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### Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park,  
MN 55416, USA.

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Fax: 6122933841

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