

## SQSTM1 Mouse monoclonal antibody

Catalog: MB9009

Host: Mouse

Reactivity: Human,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:

Mouse IgG1, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 62 kDa

### Swiss-Prot:

Q13501

### Purification&Purity:

Protein A affinity purified

### Applications:

WB: 1:500-1:1000 ICC: 1:200

IHC: 1:200 FC: 1:50-1:100

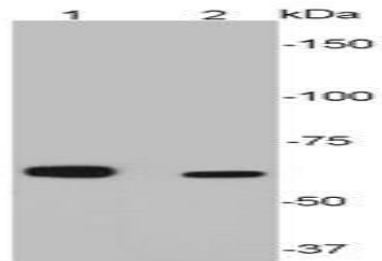
### Storage&Stability:

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.

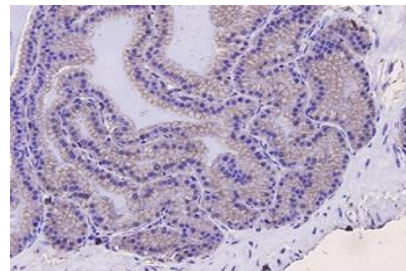
### DATA:



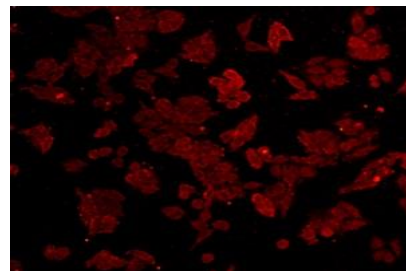
Western blot (WB) analysis of SQSTM1 Mouse mAb at 1:500 dilution

Lane1:HeLa whole cell lysate

Lane2:HepG2 whole cell lysate



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



ICC staining Sequestosome-1 in HepG2 cells (red). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton \*100/PBS.

### Note:

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

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