

## Sequestosome-1 Antibody

Catalog No: #48357



Package Size: #48357-1 50ul #48357-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

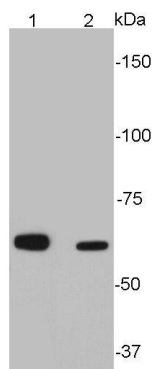
## Description

Product Name	Sequestosome-1 Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	10-E10
Purification	Peptide affinity purified.
Applications	WB, ICC, IHC, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Synthetic peptide (KLH-coupled) within human SQSTM1 40-100 aa.
Other Names	A170 antibody DMRV antibody EBI 3 associated protein of 60 kDa antibody EBI 3 associated protein p60 antibody EBI3 associated protein of 60 kDa antibody EBI3 associated protein p60 antibody EBI3-associated protein of 60 kDa antibody EBIAP antibody FTDALS3 antibody MGC127197 antibody ORCA antibody OSF-6 antibody Osi antibody OSIL antibody Oxidative stress induced like antibody p60 antibody p62 antibody p62B antibody Paget disease of bone 3 antibody PDB 3 antibody PDB3 antibody Phosphotyrosine independent ligand for the Lck SH2 domain of 62 kDa antibody Phosphotyrosine independent ligand for the Lck SH2 domain p62 antibody Phosphotyrosine-independent ligand for the Lck SH2 domain of 62 kDa antibody PKC-zeta-interacting protein antibody Protein kinase C-zeta-interacting protein antibody Sequestosome 1 antibody Sequestosome-1 antibody SQSTM 1 antibody SQSTM_HUMAN antibody Sqstm1 antibody STAP antibody STONE14 antibody Ubiquitin binding protein p62 antibody Ubiquitin-binding protein p62 antibody ZIP 3 antibody ZIP antibody ZIP3 antibody
Accession No.	Swiss-Prot#:Q13501
Uniprot	Q13501
GeneID	8878;
Calculated MW	62 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

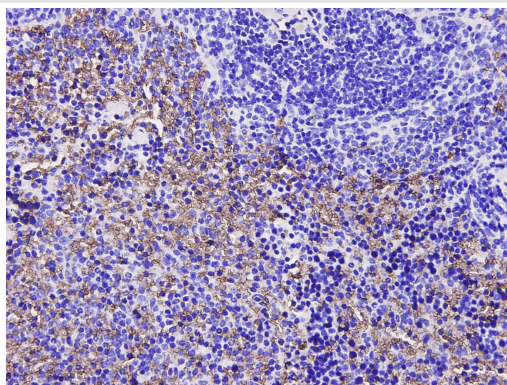
## Application Details

WB: 1:500-1:1,000 IHC: 1:200 ICC: 1:200 FC: 1 µg per 1 x 10<sup>6</sup> cells

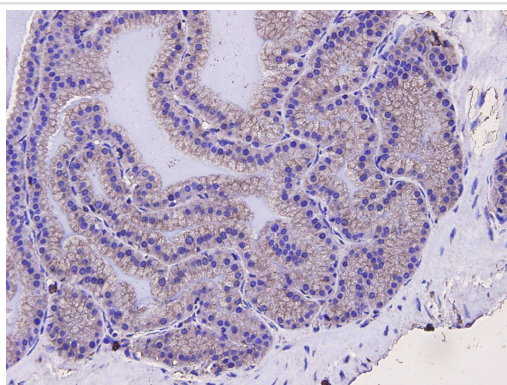
## Images



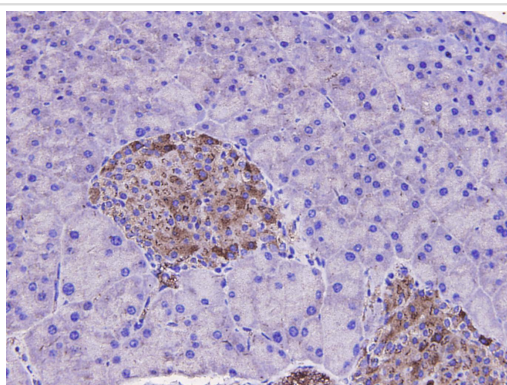
Western blot analysis of SQSTM1 on different cell lysates using anti-SQSTM1 antibody at 1/500 dilution. Positive control: Lane 1: HeLa Lane 2: HepG2



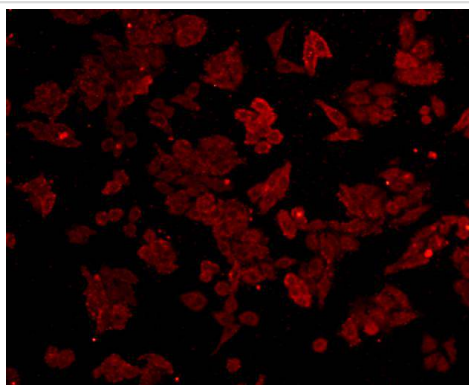
Immunohistochemical analysis of paraffin-embedded mouse spleen tissue using anti-SQSTM1 antibody. Counter stained with hematoxylin.



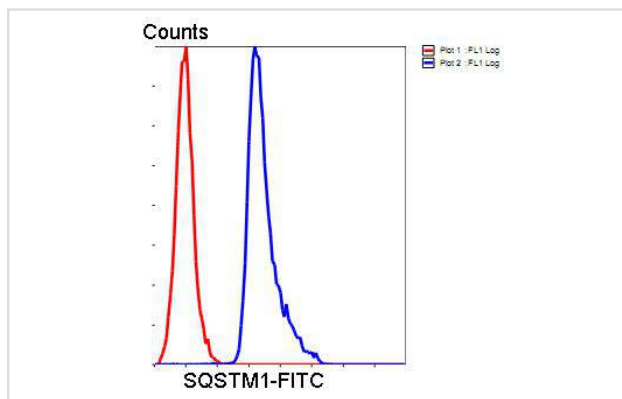
Immunohistochemical analysis of paraffin-embedded mouse prostate tissue using anti-SQSTM1 antibody. Counter stained with hematoxylin.



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



ICC staining SQSTM1 in HepG2 cells (red). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of HeLa cells with SQSTM1 antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Goat anti mouse IgG (FITC) was used as the secondary antibody.

## 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.

## References

Note: This product is for in vitro research use only