

Sequestosome-1 Antibody

Catalog No: #48357



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

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Sequestosome-1 Antibody
Host Species	Mouse
Isotype	Mouse IgG1
Applications	WB,ICC,IHC,FC
Species Reactivity	Human;Mouse;Rat
Immunogen Description	Purified recombinant fragment of human SQSTM1 expressed in E. Coli.
Conjugates	Unconjugated
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
Calculated MW	47.7kDa
Formulation	Purified antibody in PBS with 0.05% sodium azide
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Application Details

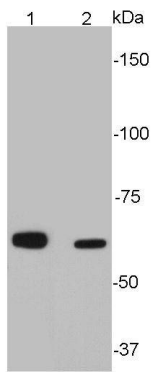
WB: 1:500-1:2000

IHC: 1:200-1:1000

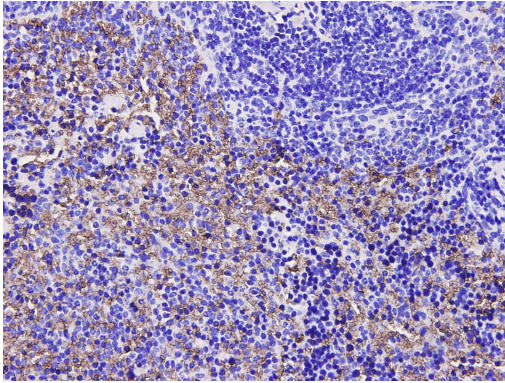
ICC: 1:100-1:200

FC: 1:200-1:400

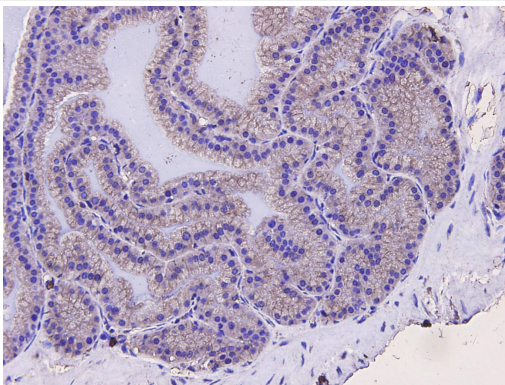
Images



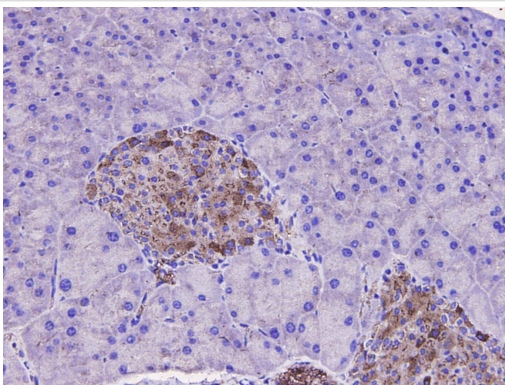
Western blot analysis of SQSTM1 on different cell lysates using anti-SQSTM1 antibody at 1/500 dilution. Positive control: Lane 1: HeLa Lane 2: HepG2



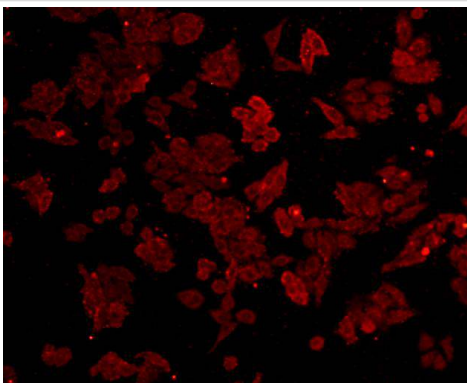
Immunohistochemical analysis of paraffin-embedded mouse spleen tissue using anti-SQSTM1 antibody. Counter stained with hematoxylin.



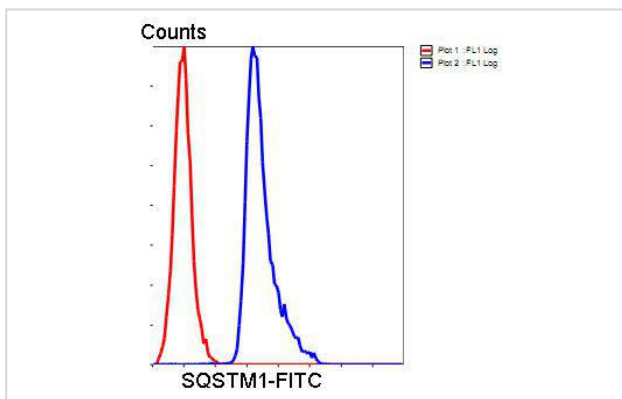
Immunohistochemical analysis of paraffin-embedded mouse prostate tissue using anti-SQSTM1 antibody. Counter stained with hematoxylin.



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 ζ ; 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- κ 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⁺ channels.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.