

Mouse Sequestosome-1 Monoclonal Antibody | anti-SQSTM1 antibody

Sequestosome-1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29890	Mouse	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay

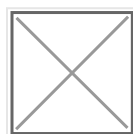
PRODUCT SYNONYMS

Sequestosome-1; Monoclonal Antibody; Sequestosome-1 Antibody; 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; anti-SQSTM1 antibody

PRODUCT SPECIFICATIONS

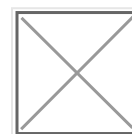
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	10-E10
Purity/Purification	Peptide affinity purified.
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-SQSTM1 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:500-1:1000 IHC: 1:200 ICC: 1:2 1ug per 1 x 10 ⁶ cells
Immunogen	Synthetic peptide (KLH-coupled) within human SQSTM1 40-100 aa.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



FCM (Flow Cytometry)

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.



ICC (Immunocytochemistry)

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

**IHC (Immunohistochemistry)**

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

**IHC (Immunohistochemistry)**

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

**IHC (Immunohistochemistry)**

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

**WB (Western Blot)**

Western blot analysis of SQSTM1 on different cell lysates using anti-SQSTM1 antibody at 1/500 dilution. Positive control:
Lane1: HeLa
Lane2: HepG2

ADDITIONAL INFORMATION

Related Product Information for anti-SQSTM1 antibody	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 PKCzeta. 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-kappaB 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.
Product Categories/Family for anti-SQSTM1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	74735628
NCBI GeneID	8878
UniProt Accession #	Q13501; Q13446; Q9BUV7; Q9BVS6; Q9UEU1; A6NFN7; B2R661; B3KUW5
Molecular Weight	440
NCBI Official Full Name	Sequestosome-1
NCBI Official Synonym Full Names	sequestosome 1
NCBI Official Symbol	SQSTM1
NCBI Official Synonym Symbols	p60; p62; A170; OSIL; PDB3; ZIP3; p62B
NCBI Protein Information	sequestosome-1; EBIAP; EBI3-associated protein p60; oxidative stress induced like; ubiquitin-binding protein p62; EBI3-associated protein of 60 kDa; phosphotyrosine independent ligand for the Lck SH2 domain p62; phosphotyrosine-independent ligand for the
UniProt Protein Name	Sequestosome-1
UniProt Gene Name	SQSTM1
UniProt Synonym Gene Names	ORCA; OSIL; EBIAP; p60
UniProt Entry Name	SQSTM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

