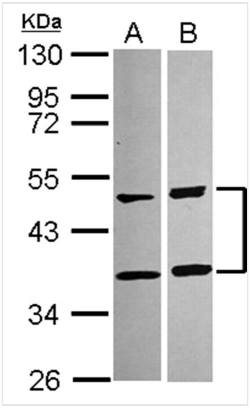
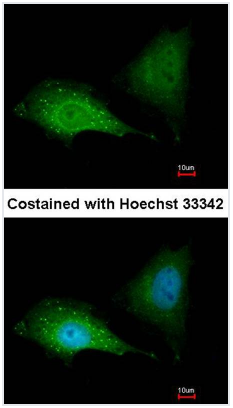
SQSTM1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SQSTM1, Polyclonal Antibody
Full Product Name	SQSTM1 antibody
Product Gene Name	anti-SQSTM1 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied in 0.1M Tris-buffered saline with 10% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.
Purity/Purification	Purified by antigen-affinity chromatography.
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.
Molecular Weight	38,629 Da
OMIM	601530
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 98 and 280 of Human SQSTM1
Target Name	SQSTM1
Product Categories/Family for anti-SQSTM1 antibody	Total protein Ab
Applications Tested/Suitable for anti-SQSTM1 antibody	Western Blot (WB), Immunofluorescence (IF)
Application Notes for anti-SQSTM1 antibody	Western blotting: 1:500-1:3000 Immunofluorescence: 1:100-1:200
Related Product Information for anti-SQSTM1 antibody	This gene encodes a multifunctional protein that binds ubiquitin and regulates activation of the nuclear factor kappa-B (NF-kB) signaling pathway. The protein functions as a scaffolding/adaptor protein in concert with TNF receptor-associated factor 6 to mediate activation of NF-kB in response to upstream signals. Alternatively spliced transcript variants encoding either the same or different isoforms have been identified for this gene. Mutations in this gene result in sporadic and familial Paget disease of bone. [provided by RefSeq]
Other Notes	Small volumes of anti-SQSTM1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SQSTM1 purchase	MBS9406198 is an antibody targeting SQSTM1. Also known as SQSTM1 antibody. Reactive in Human. Host: Rabbit.



Testing Data of anti-SQSTM1 antibody
Sample (30 ug of whole cell lysate) A: 293T B: Raji 10% SDS PAGE Primary antibody diluted at 1: 1000



Immunofluorescence (IF) of anti-SQSTM1 antibody
Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using SQSTM1 antibody at 1: 200 dilution.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SQSTM1. It may not necessarily be applicable to this product.

NCBI GI #	4505571
NCBI GeneID	8878
NCBI Accession #	NP_003891
UniProt Secondary Accession #	Q13446; Q9BUV7; Q9BVS6; Q9UEU1; A6NFN7; B2R661; B3KUW5
UniProt Related Accession #	Q13501
GenBank Nucleotide #	NM_003900.4
NCBI Official Full Name	sequestosome-1 isoform 1
NCBI Official Synonym Full Names	sequestosome 1
NCBI Official Symbol	SQSTM1
NCBI Official Synonym Symbols	p60; p62; A170; OSIL; PDB3; ZIP3; p62B; FTDALS3
UniProt Protein Name	Sequestosome-1
UniProt Synonym Protein Names	EBI3-associated protein of 60 kDa; EBIAP; p60; Phosphotyrosine-independent ligand for the Lck SH2 domain of 62 kDa; Ubiquitin-binding protein p62
Protein Family	Sequestosome
UniProt Gene Name	SQSTM1
UniProt Synonym Gene Names	ORCA; OSIL; EBIAP; p60
UniProt Entry Name	SQSTM_HUMAN
NCBI Protein Information	sequestosome-1

UniProt Comments for SQSTM1	SQSTM1: an adapter protein which binds ubiquitin, shuttling proteins to the proteasome. Co-localizes along with the E3 ubiquitin ligase, TRAF6, to aggregates from Alzheimer's disease brains but not in control brain. May regulate the activation of NFKB1 by TNF-alpha, nerve growth factor (NGF) and interleukin-1. May play a role in titin downstream signaling in muscle cells. May regulate signaling cascades through ubiquitination. May be involved in cell differentiation, apoptosis, immune response and regulation of K(+) channels. Forms ternary complexes with PKCZ and Kv-beta2 or PKCZ and GABBR3. Also interacts with KCNAB1, GABRR1, GABRR2 and GABRR3. Interacts with EBI3, LCK, RASA1, PKCZ , PKCI, NR2F2, NTRK1, NTRK2, NTRK3, NBR1, MEK5, TRIM55 and MAPKAPK5. Interacts with the proteasome subunits PSMD4 and PSMC2. Interacts with K63- polyubiquitinated MAPT/TAU. Interacts with IKBKB through PRKCZ and PRKCI. Interacts with NGFR through TRAF6 and bridges that complex to NTRK1. Forms a complex with MEK5 and PRKCZ or PRKCI. Component of a ternary complex with PAWR and PRKCZ. Upon TNF-alpha stimulation, interacts with RIPK1 problably bridging IKBKB to the TNF-R1 complex composed of TNF-R1/TNFRSF1A, TRADD and RIPK1. Forms a complex with JUB/Ajuba, PRKCZ and TRAF6. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Ubiquitin conjugating system; Nuclear receptor co-regulator; Autophagy Chromosomal Location of Human Ortholog: 5q35 Cellular Component: nucleoplasm; PML body; lysosome; endoplasmic reticulum; late endosome; cytoplasm; autophagic vacuole; inclusion body; cytoplasmic vesicle; cytosol Molecular Function: identical protein binding; protein serine/threonine kinase activity; ubiquitin binding; protein binding; protein homodimerization activity; protein kinase C binding; zinc ion binding; SH2 domain binding; receptor tyrosine kinase binding; protein kinase binding Biological Process: regulation of Ras protein signal transduction; ubiquitin-dependent protein catabolic process; nerve growth factor receptor signaling pathway; protein heterooligomerization; macroautophagy; immune system process; positive regulation of apoptosis; endosome transport; protein amino acid phosphorylation; protein localization; response to stress; autophagy; positive regulation of transcription from RNA polymerase II promoter; positive regulation of protein amino acid phosphorylation; regulation of I-kappaB kinase/NF-kappaB cascade; cell differentiation; positive regulation of macroautophagy; negative regulation of apoptosis Disease: Frontotemporal Dementia And/or Amyotrophic Lateral Sclerosis 3; Paget Disease Of Bone
Research Articles on SQSTM1	**1.** Results provide evidence that p62 contributes to HER2-induced mammary tumorigenesis through multiple signaling pathways and provide insights into its potential role in the regulation of the tumor suppressor PTEN.
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