

Product Name: KD-Validated Sequestosome 1 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01333

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:2,000-1:10,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 47.7kDa

Antigen Information

Gene Name	SQSTM1 SQSTM1; Sequestosome 1; P60; P62B; A170; OSIL; P62; Phosphotyrosine-Independent Ligand For The Lck SH2 Domain Of 62 KDa; EBI3-Associated Protein Of 60 KDa; Oxidative Stress Induced Like; Ubiquitin-Binding Protein P62; Autophagy Receptor P62;
Alternative Names	Sequestosome-1; EBIAP; PDB3; Phosphotyrosine Independent Ligand For The Lck SH2 Domain P62; EBI3-Associated Protein P60; Paget Disease Of Bone 3; FTDALS3; NADGP; DMRV; ZIP3; ORCA
Gene ID	8878.0
SwissProt ID	Q13501
Immunogen	A synthesized peptide derived from human p62/SQSTM1

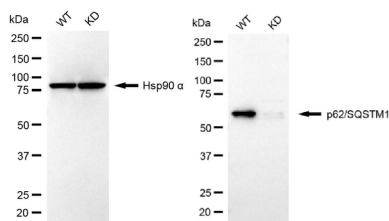
Background

This gene encodes a multifunctional protein that binds ubiquitin and regulates activation of the nuclear factor kappa-B (NF- κ B) signaling pathway. The protein functions as a scaffolding/adaptor protein in concert with TNF receptor-associated factor 6 to mediate activation of NF- κ B 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, Mar 2009]

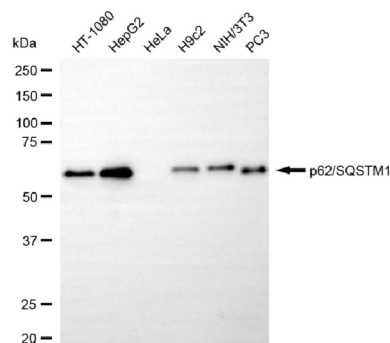
Research Area

Signal Transduction, Epigenetics and Nuclear Signaling, Cardiovascular, Metabolism, Cancer

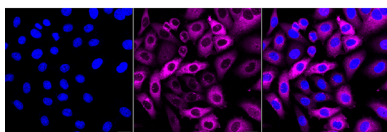
Image Data



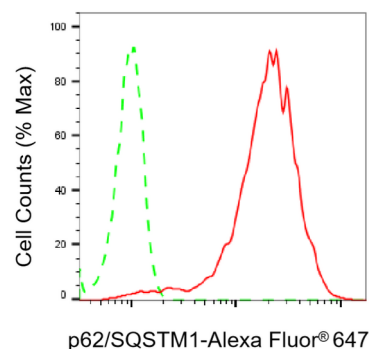
Western blotting analysis using p62/SQSTM1 antibody (KVA01333). p62/SQSTM1 expression in wild type (WT) and SQSTM1 knockdown (KD) HSHC cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with p62/SQSTM1 antibody (KVA01333, 1:10,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using p62/SQSTM1 antibody (KVA01333). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with p62/SQSTM1 antibody (KVA01333, 1:10,000) and HRP-conjugated goat anti rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with p62/SQSTM1 antibody (KVA01333, 1:1,000). Nuclei were stained blue with DAPI; p62/SQSTM1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 μ m.



Flow cytometric analysis of p62/SQSTM1 expression in HepG2 cells using p62/SQSTM1 antibody (KVA01333, 1:2,000). Green, isotype control; red, p62/SQSTM1.