

Rabbit Sqstm1 (S351) Polyclonal Antibody | anti-Sqstm1 antibody

Sqstm1 (S351) Antibody

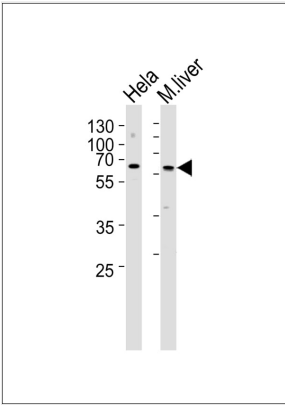
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288887	Rabbit	Human, mouse (Predicted Reactivity: Rat)	ELISA, Western Blot

PRODUCT SYNONYMS

Sqstm1 (S351); Polyclonal Antibody; Sqstm1 (S351) Antibody; Sequestosome-1; STONE14; Ubiquitin-binding protein p62; Sqstm1; A170; STAP; anti-Sqstm1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Phospho-Sqstm1(S351) antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 346-379 amino acids from the human region of human Phospho-Sqstm1(S351).
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Length	404
Applicable Applications for anti-Sqstm1 antibody	ELISA, WB (Western Blot)
Cellular Location	Cytoplasm, cytosol. Preautophagosomal structure {ECO:0000250 UniProtKB:Q13501}. Late endosome. Nucleus Endoplasmic reticulum. Lysosome. Cytoplasmic vesicle, autophagosome Nucleus, PML body {ECO:0000250 UniProtKB:Q13501}. Cytoplasm, myofibril, sarcomere. Note=In cardiac muscles, localizes to the sarcomeric band (By similarity). May also localize to the hepatocellular carcinoma (By similarity). Colocalizes with TRIM13 in the perinuclear endoplasmic reticulum (By similarity). Commonly found in inclusion bodies containing polyubiquitinated protein aggregates (PubMed:20421418). Co- localizes with TRIM5 in the cytoplasmic bodies (By similarity). When nuclear export is blocked by treatment with leptomycin B, accumulates in PML bodies (By similarity). {ECO:0000250 UniProtKB:Q13501, ECO:0000269 PubMed:20421418}
Tissue Location	Widely expressed.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
Western blot analysis of lysates from HeLa cell line and mouse liver tissue lysate(from left to right), using Sqstm1(S351) Antibody. AAA288887 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-Sqstm1 antibody	Required both for the formation and autophagic degradation of polyubiquitin-containing bodies, called ALIS (aggresome-like induced structures). Links ALIS to the autophagic machinery via direct interaction with MAP1 LC3 family members. May regulate the activation of NFKB1 by TNF-alpha, nerve growth factor (NGF) and interleukin-1. May play a role in titin/TTN 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. Adapter that mediates the interaction between TRAF6 and CYLD. Function Autophagy receptor that interacts directly with both the cargo to become degraded and an autophagy modifier of the MAP1 LC3 family. Required both for the formation and autophagic degradation of polyubiquitin-containing bodies, called ALIS (aggresome-like induced structures) and links ALIS to the autophagic machinery. Involved in midbody ring degradation. May regulate the activation of NFKB1 by TNF-alpha, nerve growth factor (NGF) and interleukin- 1. May play a role in titin/TTN 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. Adapter that mediates the interaction between TRAF6 and CYLD.
Product Categories/Family for anti-Sqstm1 antibody	Crown Antibodies; Cell Biology; Signal Transduction; Amyotrophic Lateral Sclerosis (ALS)
References	Ishii T.,et al.Biochem. Biophys. Res. Commun. 226:456-460(1996). Morris J.C.,et al.Submitted (MAY-1996) to the EMBL/GenBank/DDBJ databases. Carninci P.,et al.Science 309:1559-1563(2005). Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112(2009). Ishii T.,et al.Biochem. Biophys. Res. Commun. 232:33-37(1997).

NCBI AND UNIPROT INFORMATION

NCBI GI #	595582170
NCBI GeneID	18412
NCBI Accession #	NP_001277698.1
NCBI GenBank Nucleotide #	NM_001290769.1
UniProt Accession #	Q64337; Q99JM8
NCBI Official Full Name	sequestosome-1 isoform 2
NCBI Official Synonym Full Names	sequestosome 1
NCBI Official Symbol	Sqstm1

NCBI Official Synonym Symbols	Osi; p62; A170; STAP; OSF-6; STONE14
NCBI Protein Information	sequestosome-1
UniProt Protein Name	Sequestosome-1
UniProt Gene Name	Sqstm1
UniProt Synonym Gene Names	A170; STAP
UniProt Entry Name	SQSTM_MOUSE

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/sqstm1-s351-antibody-western-blot-elisa/288887>