

## Product datasheet for **AP23491PU-N**

### **SQSTM1 (C-term) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Immunohistochemistry on Paraffin Sections:</b> 5 µg/ml. <b>Western Blot:</b> 1 - 2 µg/ml.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	A 14 amino acid peptide from near the carboxy terminus of Human SQSTM1.
Specificity:	Recognizes SQSTM1 (C-term).
Formulation:	PBS containing 0.02% Sodium Azide as preservative State: Aff - Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	sequestosome 1
Database Link:	<a href="#">Entrez Gene 18412 Mouse</a> <a href="#">Entrez Gene 113894 Rat</a> <a href="#">Entrez Gene 8878 Human Q13501</a>



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**Background:**

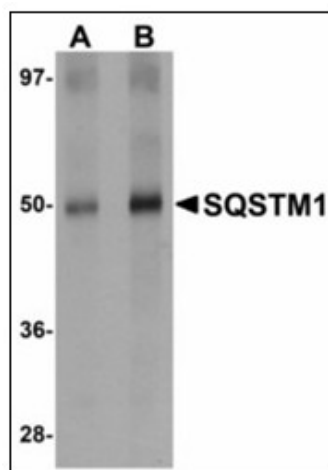
SQSTM1/p62 is an adapter protein which binds ubiquitin and regulates signaling cascades through ubiquitination. It may regulate the activation of NF-kappaB by TNF-alpha, nerve growth factor (NGF) and interleukin-1. SQSTM1/p62, a co-interacting protein of the atypical PKC isoforms, has a UBA domain at its C-terminal end, which binds non-covalently to polyubiquitin chain. SQSTM1's UBA domain is necessary for recruitment of polyubiquitin and aggresome formation. SQSTM1 may play a role in titin/TTN downstream signaling in muscle cells and may be involved in cell differentiation, apoptosis, immune response and regulation of K<sup>+</sup> channels. Mutations in the ubiquitin-associated (UBA) domain of SQSTM1 commonly cause Paget's disease of bone since the UBA is necessary for aggregate sequestration and cell survival.

**Synonyms:**

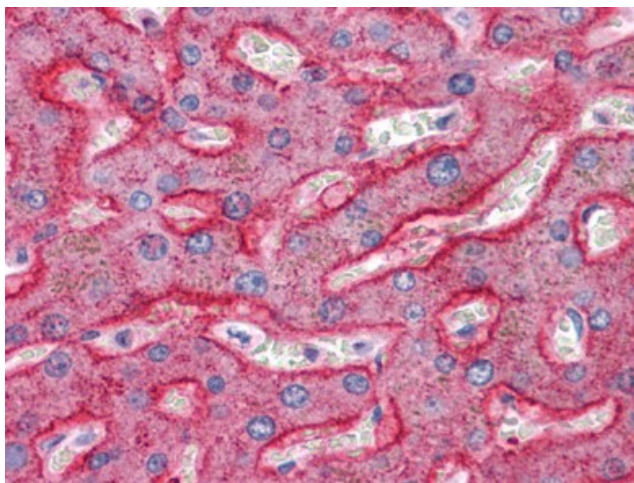
Sequestosome-1, EBIAP, ORCA, OSIL, p60, p62

**Protein Families:**

Druggable Genome, Transcription Factors

**Product images:**

Western blot analysis of SQSTM1 in Human spleen tissue lysate with SQSTM1 antibody at (A) 1 and (B) 2 ug/ml.



Human Liver: Formalin-Fixed, Paraffin-Embedded (FFPE)