

Product datasheet for **TA385314M**

SQSTM1 Rabbit Monoclonal Antibody [Clone ID: R06-9J2]

Product data:

| | |
|-------------------------|------------------------------------------------------------------------------------------|
| Product Type: | Primary Antibodies |
| Clone Name: | R06-9J2 |
| Applications: | IF, IHC, IP, WB |
| Recommended Dilution: | WB: 1/1000 IHC: 1/200 ICC/IF: 1/100 IP: 1/20 |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Monoclonal |
| Immunogen: | Recombinant protein of human SQSTM1 |
| Formulation: | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA |
| Concentration: | lot specific |
| Purification: | Affinity Purified |
| Conjugation: | Unconjugated |
| Storage: | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| Stability: | 1 year |
| Predicted Protein Size: | Calculated MW: 48 kDa; Observed MW: 62 kDa |
| Gene Name: | sequestosome 1 |
| Database Link: | Entrez Gene 8878 Human Q13501 |

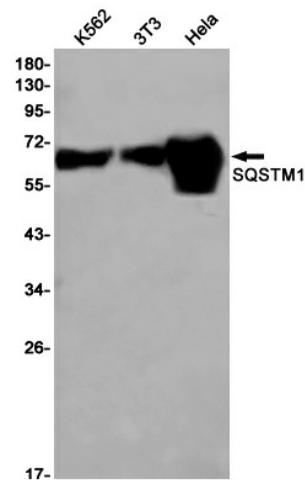
[View online »](#)

Background:

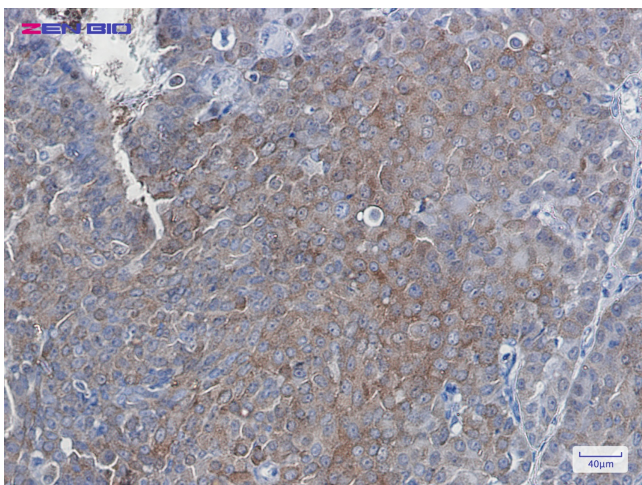
Swiss-Prot Acc.Q13501.Autophagy receptor required for selective macroautophagy (aggrephagy). Functions as a bridge between polyubiquitinated cargo and autophagosomes. Interacts directly with both the cargo to become degraded and an autophagy modifier of the MAP1 LC3 family (PubMed:16286508, PubMed:20168092, PubMed:24128730, PubMed:28404643, PubMed:22622177). Along with WDFY3, involved in the formation and autophagic degradation of cytoplasmic ubiquitin-containing inclusions (p62 bodies, ALIS/aggresome-like induced structures). Along with WDFY3, required to recruit ubiquitinated proteins to PML bodies in the nucleus (PubMed:24128730, PubMed:20168092). 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. Adapter that mediates the interaction between TRAF6 and CYLD . May be involved in cell differentiation, apoptosis, immune response and regulation of K+ channels. Involved in endosome organization by retaining vesicles in the perinuclear cloud: following ubiquitination by RNF26, attracts specific vesicle-associated adapters, forming a molecular bridge that restrains cognate vesicles in the perinuclear region and organizes the endosomal pathway for efficient cargo transport (PubMed:27368102).

Synonyms:

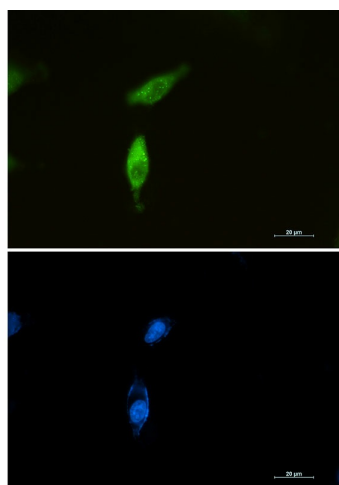
A170; EBIAP; ORCA; OSIL; p60; p62; p62B; PDB3; ZIP3

Product images:


Western blot detection of SQSTM1 in K562,3T3,HeLa cell lysates using SQSTM1 Rabbit mAb(1:1000 diluted).Predicted band size:48kDa.Observed band size:62kDa.



Immunohistochemistry of SQSTM1 in paraffin-embedded Human breast cancer tissue using SQSTM1 Rabbit mAb at dilution 1/50



Immunocytochemistry analysis of SQSTM1/p62 (green) in U87-MG using SQSTM1/p62 antibody, and DAPI(blue).