

## Anti-SQSTM1/p62 Antibody (9J396)

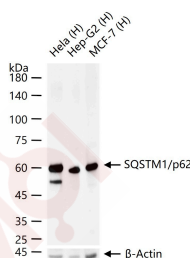
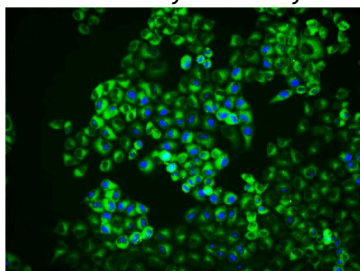
### Product Details

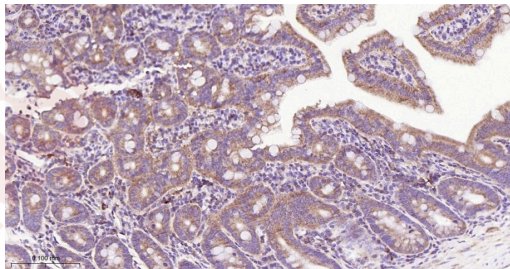
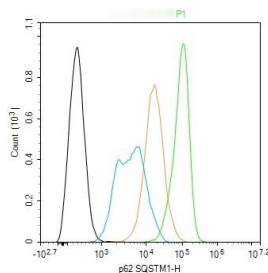
Ig Type:	IgG
Reactivity:	Human,Rat,Mouse
Molecular Weight:	Theoretical: 47 kDa. Actual: 60-62 kDa.
Clone:	9J396
Purification:	Protein A purified

### Applications

1. HeLa cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (SQSTM1/p62) monoclonal Antibody, Unconjugated (TMAB-01771) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nucleus.
2. 25 µg total protein per Lane of various lysates probed with p62 SQSTM1 monoclonal antibody, unconjugated (TMAB-01771) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at RT for 60 min.
3. The HepG2 (H) cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at room temperature). Primary Antibody (green): Rabbit Anti-p62 SQSTM1 antibody (TMAB-01771): 1 µg/10<sup>6</sup> cells; Secondary Antibody (white blue): Goat anti-Rabbit IgG-BF488: 1 µg/test. Isotype Control (orange): Rabbit IgG. Blank control (black): PBS.
4. Paraformaldehyde-fixed, paraffin embedded Rat small intestine; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with SQSTM1/p62 Monoclonal Antibody, Unconjugated (TMAB-01771) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

Verified Activity:





Application: FCM, ICC/IF, IF, IHC-Fr, IHC-P, WB

Recommended FCM=1 µg/Test; ICC/IF=1:100-500; IF=1:200-1000; IHC-Fr=1:200-1000; IHC-P=1:200-1000; WB=1:2000-20000

## Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

## Antigen Details

Immunogen: A synthesized peptide: human Sequestosome 1

Antigen Species: Human

Gene ID: 8878

Uniprot ID: Q13501

Synonyms: ORCA;SQSTM;p60);EBI3-associated protein of 60 kDa(EBIAP;OSIL;Ubiquitin-binding protein p62;phosphotyrosine-independent ligand for the Lck SH2 domain of 62 kDa;Sequestosome-1  
Biology Area: Autophagosome, Autophagosome, Pol II Transcription, Autophagosome, Regulation, NFkB Pathway

## Research Background

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

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