# SQSTM1 / P62 antibody [N3C1], Internal

## Cat. No. GTX100685

| | |
|---|---|
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Applications** | WB, ICC/IF, IHC-P, FCM, IP, PLA |
| **Reactivity** | Human, Mouse, Rat, Bovine, Honeybee, Mosquito |

References ( 120 )

Review ( 6 )

Package
100 µl, 25 µl

## PRODUCT

**Summary** SQSTM1 antibody, also known as ubiquitin-binding protein p62 antibody, detects the SQSTM1 protein that interacts with LC3 proteins to execute autophagosomal degradation. SQSTM1 is also reported to regulate the activation of NFκB1 downstream signaling in addition to having other cellular functions.

## Applications

**Application Note**

*Optimal dilutions/concentrations should be determined by the researcher.

| Suggested dilution | Recommended dilution |
|---|---|
| WB | 1:500-1:3000 |
| ICC/IF | 1:100-1:1000 |
| IHC-P | 1:100-1:1000 |
| FCM | Assay dependent |
| IP | 1:100-1:500 |
| PLA | Assay dependent |

**Note : Permeabilization : 0.1% saponin**

Not tested in other applications.

**Calculated MW** 48 kDa. ( Note )

## Properties

| | |
|---|---|
| **Form** | Liquid |
| **Buffer** | PBS, 1% BSA, 20% Glycerol |
| **Preservative** | 0.025% ProClin 300 |
| **Storage** | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles. |
| **Concentration** | 0.39 mg/ml (Please refer to the vial label for the specific concentration.) |

For full product information, images and publications, please visit our website.



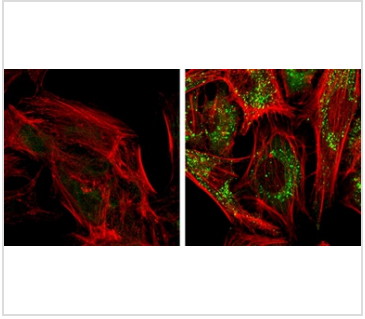
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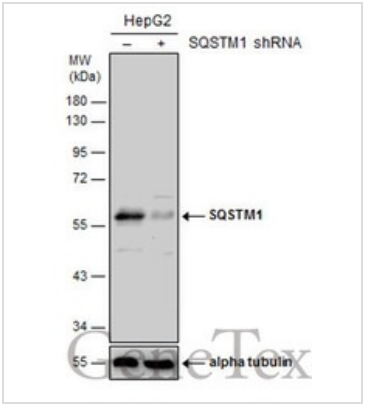
| | |
|---|---|
| **Immunogen** | Carrier-protein conjugated synthetic peptide encompassing a sequence within the center region of human SQSTM1 / P62. The exact sequence is proprietary. |
| **Purification** | Purified by antigen-affinity chromatography. |
| **Conjugation** | Unconjugated |
| **Note** | For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.<br><br>Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product. |

## DATA IMAGES



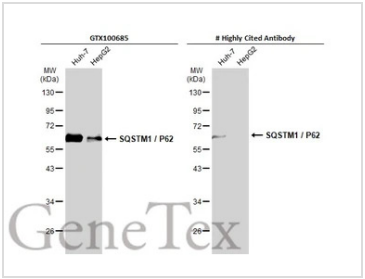
**GTX100685 ICC/IF Image**

SQSTM1 antibody [N3C1], Internal detects SQSTM1 protein at autophagosome by immunofluorescent analysis.
Samples: HeLa cells mock (left) and treated with 50µM Chloroquine for 24 hr (right) were fixed in 4% paraformaldehyde at RT for 15 min.
Green: SQSTM1 protein stained by SQSTM1 antibody [N3C1], Internal (GTX100685) diluted at 1:1000.
Red: Phalloidin, a F-actin marker.




**GTX100685 WB Image**

Non-transfected (–) and transfected (+) HepG2 whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with SQSTM1 antibody [N3C1], Internal (GTX100685) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.




**GTX100685 WB Image**

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with SQSTM1 / P62 antibody [N3C1], Internal (GTX100685) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

*The competitor is not affiliated with GeneTex and does not endorse this product.

For full product information, images and publications, please visit our website.



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