

Anti-SQSTM1 Antibody

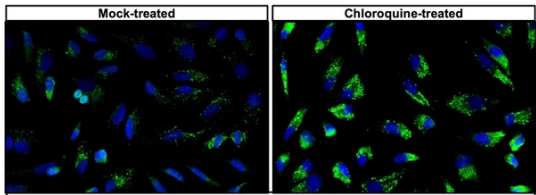


Product Details

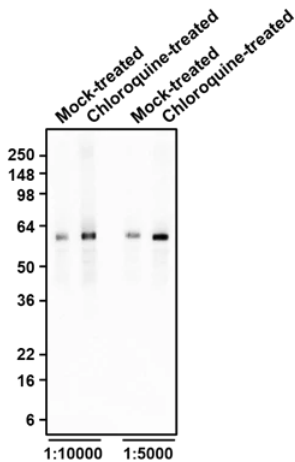
Available Variants	500 µL (SKU:SQSTM1-0100) 100 µL (SKU:SQSTM1-0020)
Conjugate	Unconjugated
Isotype	IgY
Gene Name	SQSTM1
Host Species	Chicken
Concentration	200 µg/mL
Format	Affinity-Purified IgY
Physical State	Liquid
Buffer	Phosphate-buffered (10 mM) isotonic (0.9%, w/v) saline ("PBS," pH 7.2) with sodium azide (0.02%, w/v) added as a preservative.
Production Notes	Eggs from hens hyperimmunized with target were used to prepare an IgY fraction which was then subjected to antigen-specific affinity purification.
Applications	ICC, IHC, WB
Dilution Ranges	WB: 1:5000 - 1:10000 IHC: 1:100 - 1:200 ICC: 1:100 - 1:200
Species Reactivity	Human, Mouse, Rat
Immunogen	Human SQSTM1 full sequence
Specificity	No cross-reactivity reported
Molecular Weight	Calculated - 48 kDa; Observed - 62 kDa

Quality Control	Each new lot of this antibody is tested to confirm that it recognizes a single immunoreactive band of expected molecular weight when used to probe HeLa cell lysate.
Storage	Store at 4°C in the dark. Under these conditions, the antibodies should have a shelf life of at least twelve months, provided they remain sterile. For longer term storage, aliquot and freeze to avoid freeze-thaw of the antibody.
UniProt ID	<u>Q13501</u>
Country of Origin	United States
Shipping	Ice packs
Expiration	12 months from receipt of product
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

Product Images



Immunofluorescent staining of mock- or 50 μ M chloroquine-treated HeLa cells using 2 μ g/mL chicken anti-SQSTM1 (p62) antibody (green). DAPI nuclear stain (blue) shows cell nuclei. The cells were mounted with Antibodies Incorporated Fluoroshield with DAPI mounting medium (Cat. AR-6501). Anti-SQSTM1 (p62) specifically stains the autophagosomes in HeLa cells. Chloroquine treatment increases the levels of SQSTM1 (p62) protein by inhibiting autophagy.



Western blotting of mock- or 50 μ M chloroquine-treated HeLa cell lysates with Aves Labs chicken anti-SQSTM1 (p62) antibody at 1:5000 (0.04 μ g/ml) and 1:10000 (0.02 μ g/ml) dilutions and detected with goat anti-chicken HRP. Aves Labs Chicken anti-SQSTM1 (p62) recognizes endogenous SQSTM1 (p62) in HeLa cells at ~62 kDa. Chloroquine treatment increases the levels of SQSTM1 (p62) protein by inhibiting autophagy.

Product Page URL: www.antibodiesinc.com/products/anti-sqstm1-antibody-sqstm1



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