

SQSTM1 Monoclonal Antibody (GT1478)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Published Species	Mouse
Host/Isotype	Mouse / IgG2b
Class	Monoclonal
Type	Antibody
Clone	GT1478
Conjugate	Unconjugated
Immunogen	Recombinant protein encompassing a sequence within the center region of human SQSTM1. The exact sequence is proprietary.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS, pH 7, with 20% glycerol
Contains	no preservative
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2735371

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100-1:1,000	1 Publication
Flow Cytometry (Flow)	1:50-1:200	-

Product Specific Information

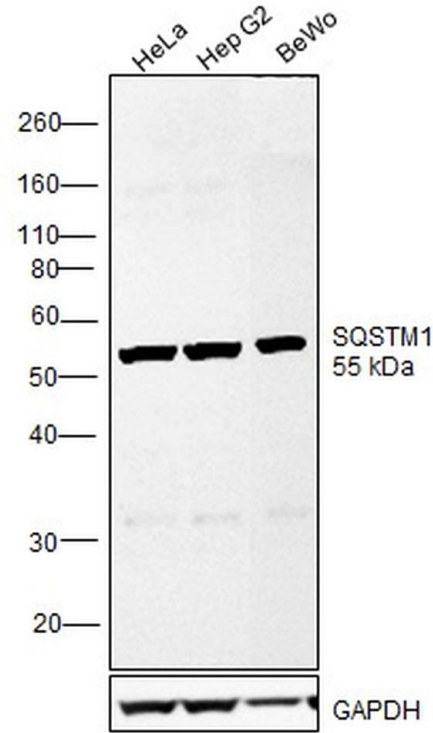
Positive Control: HepG2, A549, H1299, HCT116, Huh-7 (untreated), Huh-7 (3 µM Thapsigargin treatment for 12 hr), Huh-7 (3 µM Thapsigargin treatment for 24 hr), HepG2 (3 µM Thapsigargin treatment for 12 hr), HepG2 (3 µM Thapsigargin treatment for 24 hr), 2C4, MEF, MNT-1

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Product Images For SQSTM1 Monoclonal Antibody (GT1478)

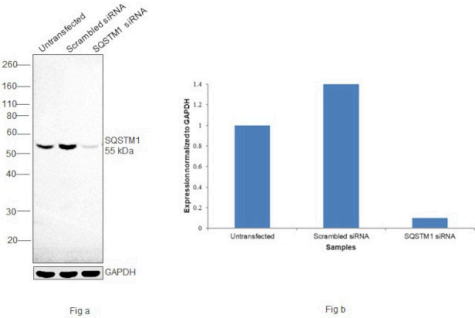
SQSTM1 Antibody (MA5-27800) in WB

Western blot was performed using Anti-SQSTM1 Monoclonal Antibody (GT1478) (Product # MA5-27800) and a ~55 kDa band corresponding to SQSTM1 was observed across cell lines tested. Whole cell extracts (30 µg lysate) of HeLa (Lane 1), Hep G2 (Lane 2) and BeWo (Lane 3) were electrophoresed using NuPAGE™ 10% Bis-Tris Protein Gel (Product # NP0301BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



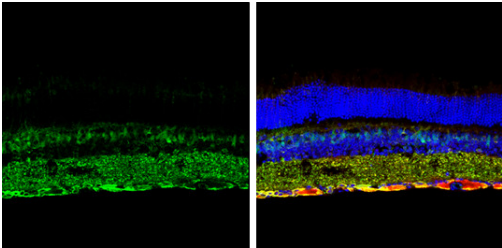
SQSTM1 Antibody (MA5-27800)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. Hep G2 cells were transfected with SQSTM1 siRNA and decrease in signal intensity was observed in Western Blot application using Anti-SQSTM1 Monoclonal Antibody (GT1478) (Product # MA5-27800). {KD}



SQSTM1 Antibody (MA5-27800) in IHC (F)

SQSTM1 antibody [GT1478] detects SQSTM1 protein expression by immunohistochemical analysis. Sample: Frozen sectioned adult mouse retina. Green: SQSTM1 protein stained by SQSTM1 antibody [GT1478] (Product # MA5-27800) diluted at 1:250. Red: beta Tubulin 3/ TUJ1, stained by beta Tubulin 3/ TUJ1 antibody [GT11710] diluted at 1:250. Blue: Fluoroshield with DAPI .



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Western Blot (2)

<p>International journal of molecular sciences</p> <p>ZnT2 Is Critical for TLR4-Mediated Cytokine Expression in Colonocytes and Modulates Mucosal Inflammation in Mice.</p> <p>"Published figure using SQSTM1 monoclonal antibody (Product # MA5-27800) in Western Blot"</p> <p>Authors: McGourty K,Vijayakumar R,Wu T,Gagnon A,Kelleher SL</p>	<p>Year 2022</p>
<p>Aging cell</p> <p>Vitamin D supplementation worsens Alzheimer's progression: Animal model and human cohort studies.</p> <p>"MA5-27800 was used in Western Blotting to demonstrate that vitamin D supplementation enhances non-genomic VDR /p53 complex in AD brain and rather exacerbates the disease."</p> <p>Authors: Lai RH,Hsu CC,Yu BH,Lo YR,Hsu YY,Chen MH,Juang JL</p>	<p>Year 2022</p> <p>Species Mouse</p>

Immunocytochemistry (1)

<p>Antiviral research</p> <p>Influences of cyclosporin A and non-immunosuppressive derivatives on cellular cyclophilins and viral nucleocapsid protein during human coronavirus 229E replication.</p> <p>"Published figure using SQSTM1 monoclonal antibody (Product # MA5-27800) in Immunocytochemistry"</p> <p>Authors: Ma-Lauer Y,Zheng Y,Maleševi M,von Brunn B,Fischer G,von Brunn A</p>	<p>Year 2020</p>
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