

Datasheet for ABIN2854836

anti-SQSTM1 antibody

23 Images

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Overview

Quantity:	100 µL
Target:	SQSTM1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SQSTM1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Flow Cytometry (FACS), Proximity Ligation Assay (PLA)

Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the center region of human SQSTM1 / P62. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Bee, Cow, Human, Mosquito, Mouse, Rat, Zebrafish (Danio rerio)
Characteristics:	Rabbit Polyclonal antibody to SQSTM1 (sequestosome 1) SQSTM1 antibody [N3C1], Internal
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

Target Details

Target:	SQSTM1
Alternative Name:	sequestosome 1 (SQSTM1 Products)
Background:	<p>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.</p> <p>Cellular Localization: Cytoplasm , Late endosome , Nucleus</p>
Molecular Weight:	48 kDa
Gene ID:	8878
UniProt:	Q13501
Pathways:	NF-kappaB Signaling , Neurotrophin Signaling Pathway , Autophagy

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. FACS: 1:50-1:200. IP: 1:100-1:500. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: NIH-3T3 , JC , BCL-1 , PC-12 , Rat2 , Huh7 (3μM Thapsigargin 12hr) , HepG2 Validation: Comparison, KO/KD, Orthogonal
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.39 mg/mL
Buffer:	1XPBS, 1 % BSA, 20 % Glycerol (pH 7), 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: 4 °C, -20 °C

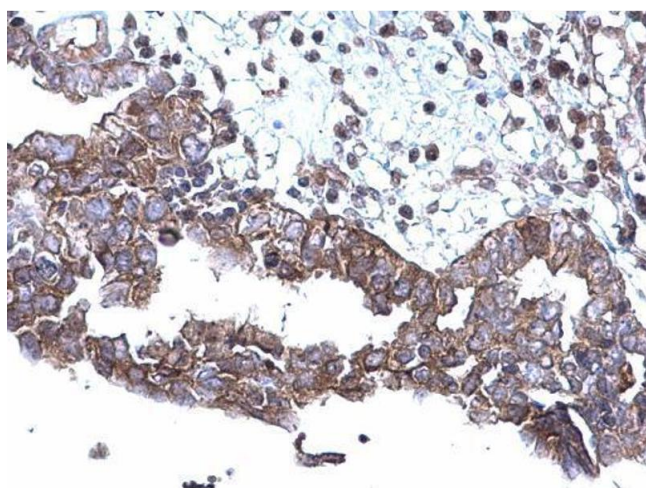
Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

Product cited in: Chao, Wroblewski, Ilkayeva, Stevens, Bain, Meyer, Schenk, Martinez, Vergnes, Narkar, Drew, Hong, Boyadjian, Hevener, Evans, Reue, Spencer, Newgard, Tontonoz: "Skeletal muscle Nur77 expression enhances oxidative metabolism and substrate utilization." in: **Journal of lipid research**, Vol. 53, Issue 12, pp. 2610-9, (2012) ([PubMed](#)).

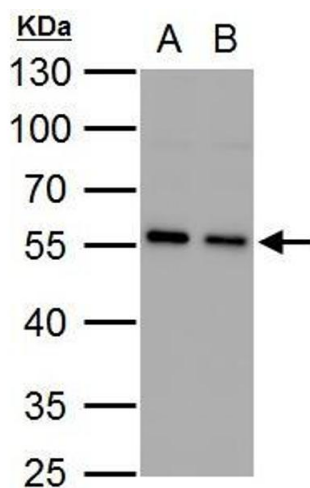
There are more publications referencing this product on: [Product page](#)

Validation report #104252 for Cleavage Under Targets and Release Using Nuclease (CUT&RUN)



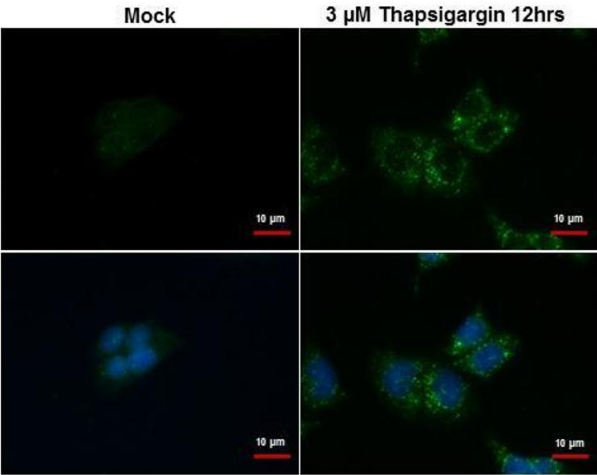
Immunohistochemistry

Image 1. IHC-P Image SQSTM1 antibody [N3C1], Internal detects SQSTM1 protein at cytoplasm on human ovarian carcinoma by immunohistochemical analysis. Sample: Paraffin-embedded human ovarian carcinoma. SQSTM1 antibody [N3C1], Internal, diluted at 1:500.



Western Blotting

Image 2. WB Image SQSTM1 antibody [N3C1], Internal detects SQSTM1 protein by western blot analysis. A. 30 µg PC-12 whole cell lysate/extract B. 30 µg Rat2 whole cell lysate/extract 10 % SDS-PAGE SQSTM1 antibody [N3C1], Internal, dilution: 1:1000



Immunofluorescence

Image 3. ICC/IF Image SQSTM1 antibody [N3C1], Internal detects SQSTM1 protein at autophagosome by immunofluorescent analysis. Samples: HepG2 cells treated with 3μM thapsigargin 12 hrs (right) and mock (left) were fixed in ice-cold MeOH for 10 min, permeabilize with cooled acetone for 1 min. Green: SQSTM1 protein stained by SQSTM1 antibody [N3C1], Internal , diluted at 1:500. Blue: Hoechst 33342 staining. Scale bar = 10 μm.

Please check the [product details page](#) for more images. Overall 23 images are available for ABIN2854836.