

Product Datasheet

SQSTM1 (p62) Antibody (C-term) (orb1931654)

Catalog Number	orb1931654
Category	Antibodies
Description	Purified Rabbit Polyclonal Antibody (Pab)
Target	SQSTM1 {ECO:0000303 PubMed:16286508, ECO:0000312 HGNC:HGNC:11280}
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	Rabbit IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse
Predicted Reactivity	Rat
Form/Appearance	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Immunogen	This SQSTM1 (p62) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 317-346 amino acids of human SQSTM1 (p62). Antigen Region: 317-346 aa.
UniProt ID	Q13501
MW	47687 Da
Tested applications	IF, IHC-P, WB
Dilution range	IF - 1:50-100, WB - 1:2000, IHC-P - 1:25

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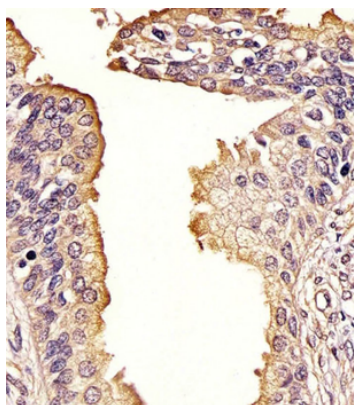
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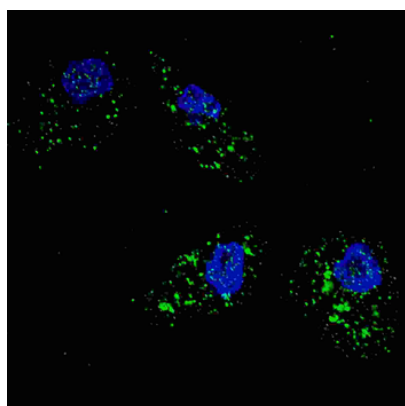
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Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
Note	For research use only
NCBI	NP_001135770.1 , NP_003891.1 , NP_001135771.1
Expiration Date	12 months from date of receipt.



Staining SQSTM1 in Human prostate tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



Fluorescent image of U251 cells stained with SQSTM1 (p62) (C-term) antibody. U251 cells were treated with Chloroquine (50 μ M, 16 h), then fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.2%, 30 min). Cells were then incubated with SQSTM1 (p62) (C-term) primary antibody (1:200, 2 h at room temperature). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1 h). Nuclei were counterstained with Hoechst 33342 (blue) (10 μ g/ml, 5 min). SQSTM1 (p62) immunoreactivity is localized to autophagic vacuoles in the cytoplasm of U251 cells.

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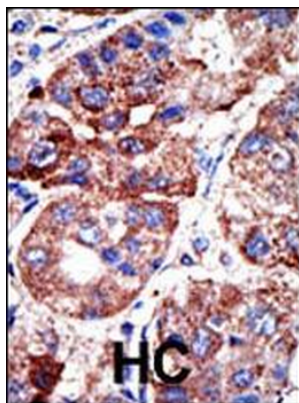
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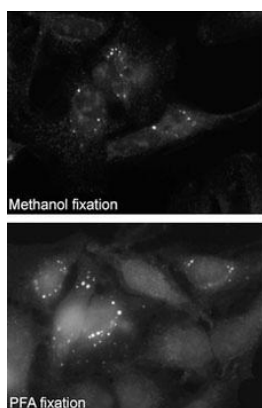
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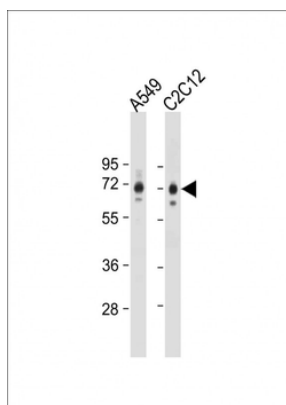
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Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



Immunofluorescence staining of Autophagy SQSTM1 (p62) Antibody (C-term) on Methanol-fixed and PFA fixed HeLa cells.



All lanes: Anti-SQSTM1 (p62) Antibody (C-term) at 1:2000 dilution. Lane 1: A549 whole cell lysate. Lane 2: C2C12 whole cell lysate. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 48 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

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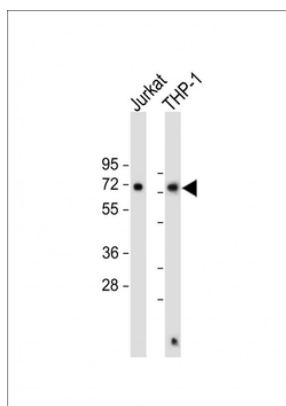
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All lanes: Anti-SQSTM1 (p62) Antibody (C-term) at 1:2000 dilution. Lane 1: Jurkat whole cell lysate. Lane 2: THP-1 whole cell lysate. Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 48 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

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