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Datasheet for ABIN1449619
anti-SQSTM1 antibody (C-Term)

5 Images

Overview

Quantity:	0.4 mL
Target:	SQSTM1
Binding Specificity:	AA 324-353, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SQSTM1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 324~353 amino acids from the C-terminal region of Human SQSTM1
Isotype:	Ig Fraction
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS

Target Details

Target:	SQSTM1
Alternative Name:	SQSTM1 (SQSTM1 Products)
Background:	SQSTM1/p62 is an adapter protein which binds ubiquitin and may regulate the activation of

Target Details

NFKB1 by TNF-alpha, nerve growth factor (NGF) and interleukin-1. This protein may play a role in titin/TTN downstream signaling in muscle cells, and may also regulate signaling cascades through ubiquitination. This protein is involved in cell differentiation, apoptosis, immune response and regulation of K(+) channels. SQSTM1/p62 also appears to play a role in macroautophagic removal of intracellular protein aggregates. Cellular depletion studies of SQSTM1/p62 have indicated a role for association with LC3 and aggregate proteins in order to facilitate normal formation of the autophagosome. Synonyms: EBI3-associated protein of 60 kDa, EBIAP, ORCA, OSIL, Phosphotyrosine-independent ligand for the Lck SH2 domain of 62 kDa, Sequestosome-1, Ubiquitin-binding protein p62, p60, p62

Molecular Weight: 47687 Da

Gene ID: 8878

NCBI Accession: [NP_001135770](#)

Pathways: [NF-kappaB Signaling](#), [Neurotrophin Signaling Pathway](#), [Autophagy](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS containing 0.09 % (W/V) Sodium Azide as preservative

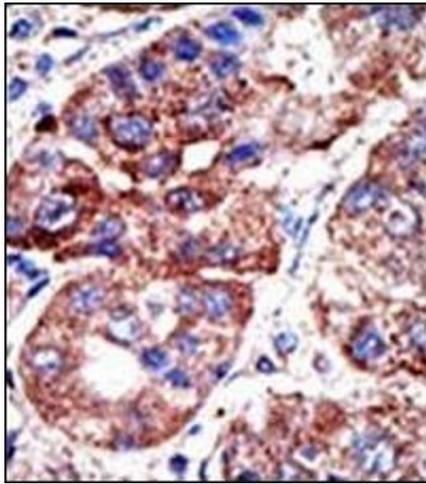
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

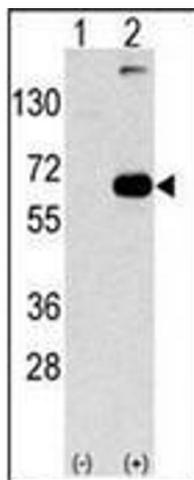
Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



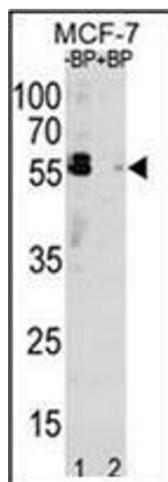
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the SQSTM1 Antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



Western Blotting

Image 2. Western blot analysis of SQSTM1 (arrow) using SQSTM1 Antibody. 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the SQSTM1 gene (Lane 2) (Origene Technologies).



Western Blotting

Image 3. Western blot analysis of SQSTM1 Antibody pre-incubated without (Lane 1) and with (Lane 2) blocking peptide in MCF-7 cell line lysate. SQSTM1 Antibody (arrow) was detected using the purified Pab (1:60/250 dilution).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN1449619.