

Datasheet for ABIN3031543  
**anti-SQSTM1 antibody (AA 317-346)**

10 Images

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## Overview

Quantity:	0.4 mL
Target:	SQSTM1
Binding Specificity:	AA 317-346
Reactivity:	Human, Green Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SQSTM1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

## Product Details

Immunogen:	A portion of amino acids 317-346 from the human protein was used as the immunogen for this p62 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Rat
Purification:	Antigen affinity purified

## Target Details

Target:	SQSTM1
Alternative Name:	p62 (SQSTM1) ( <a href="#">SQSTM1 Products</a> )
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.

UniProt: [Q13501](#)

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

## Application Details

Application Notes: Titration of the p62 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100,Immunofluorescence: 1:50-1:100

Restrictions: For Research Use only

## Handling

Format: Liquid

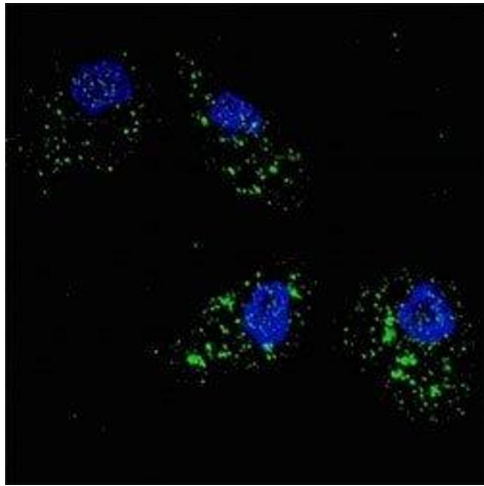
Buffer: In 1X PBS pH 7.4 with 0.09 % sodium azide

Preservative: Sodium azide

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

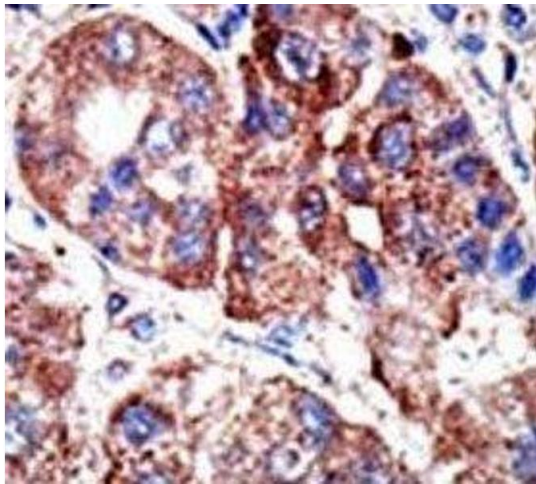
Storage: -20 °C

Storage Comment: Aliquot the p62 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



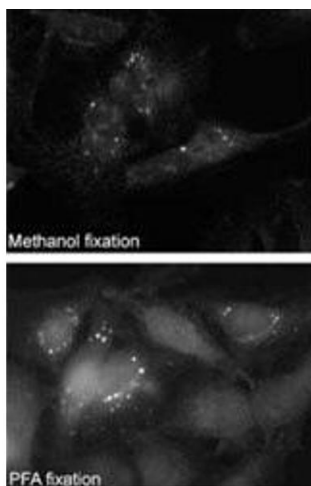
#### Immunofluorescence

**Image 1.** Fluorescent image of U251 cells stained with p62 antibody at 1:200. Immunoreactivity is localized to autophagic vacuoles in the cytoplasm.



#### Immunohistochemistry

**Image 2.** IHC analysis of FFPE human hepatocarcinoma tissue stained with the p62 antibody



#### Immunofluorescence

**Image 3.** Immunofluorescence staining of p62 antibody on Methanol-fixed and PFA fixed HeLa cells. Data courtesy of Dr. Eeva-Liisa Eskelinen, University of Helsinki, Finland.

Please check the [product details page](#) for more images. Overall 10 images are available for ABIN3031543.