Datasheet for ABIN3031543

anti-SQSTM1 antibody (AA 317-346)

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) (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.

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.
Images

**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.