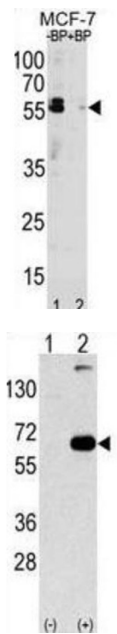
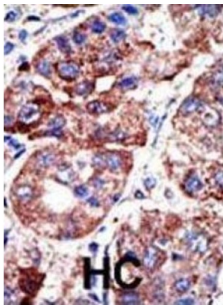


Sequestosome 1 (SQSTM1) Antibody

Catalogue No.: abx031570



SQSTM1/p62 is an adapter protein which binds ubiquitin and may regulate the activation of NF κ B1 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.

Target: Sequestosome 1 (SQSTM1)

Clonality: Polyclonal

Reactivity: Human, Mouse

Tested Applications: ELISA, WB, IHC, IF/ICC

Host: Rabbit

Datasheet

Version: 1.0.0
Revision date: 22 Dec 2024



Recommended dilutions: WB: 1/2000, IHC-P: 1/50 - 1/100, IF/ICC: 1/50 - 1/100. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: KLH-conjugated synthetic peptide between 317-346 amino acids from the C-terminal region of human SQSTM1 (p62).

Isotype: IgG

Form: Liquid

Purification: Purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: Q13501 ([UniProt](#), [ExPASy](#))

NCBI Accession: NP_001135770.1, NP_001135771.1, NP_003891.1

KEGG: hsa:8878

String: [9606.ENSP00000374455](#)

Molecular Weight: Calculated MW: 47.7 kDa

Buffer: PBS containing 0.09% sodium azide.

Specificity: Predicted to react with Rat SQSTM1.

Note: This product is for research use only.