Product Datasheet

p62/SQSTM1 Rabbit mAb

Catalog No: #56089

Package Size: #56089-1 50ul #56089-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	p62/SQSTM1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB, ICC/IF, IHC
Species Reactivity	Human;Mouse;Rat
Specificity	p62/SQSTM1 Antibody detects endogenous levels of total p62/SQSTM1
Immunogen Description	A synthesized peptide derived from human p62/SQSTM1
Conjugates	Unconjugated
Other Names	OSIL; Oxidative stress induced like; p60; p62; p62B; Paget disease of bone 3;PDB 3; PDB3;
Accession No.	Uniprot:Q13501
Calculated MW	48kDa
SDS-PAGE MW	62kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

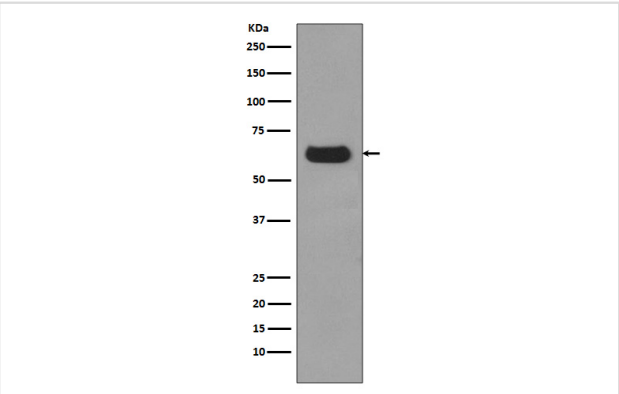
Application Details

WB: 1:500-1:2000

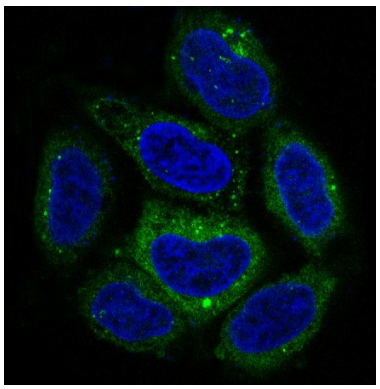
ICC/IF: 1:50-1:200

IHC: 1:50-1:200

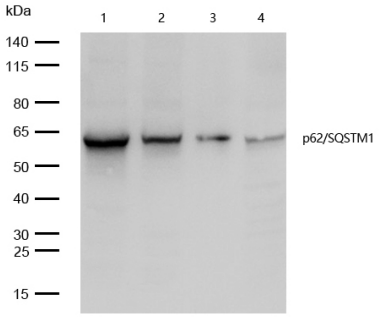
Images



Western blot analysis of p62/SQSTM1 expression in SKBR-3 cell lysate.



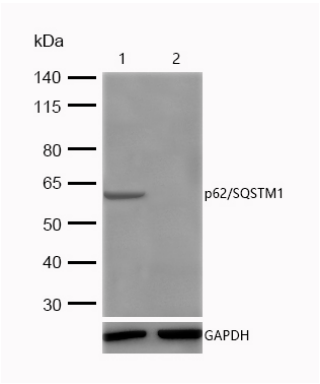
Immunofluorescent analysis of Hela cells, using p62/SQSTM1 Antibody.



All lanes : p62/SQSTM1 Rabbit mAb at 1/1k dilution

Lane 1 : A549 cell lysate
Lane 2 : JK cell lysate
Lane 3 : 3T3 cell lysate
Lane 4 : PC12 cell lysate

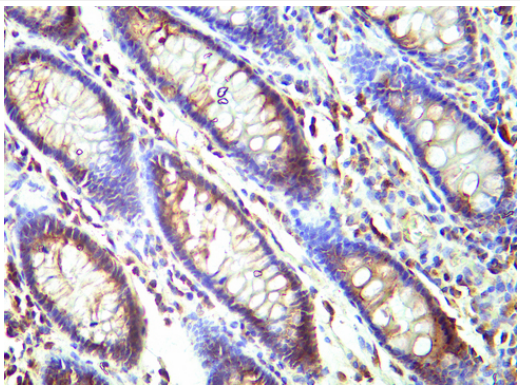
Lysates/proteins at 20 µg per lane.
Predicted band size: 48kDa Observed band size: 62kDa



All lanes : p62/SQSTM1 Rabbit mAb at 1/1k dilution

Lane 1 : Wild-type HAP1 cell lysate
Lane 2 : p62/SQSTM1 knockout HAP1 cell lysate

Lysates/proteins at 20 µg per lane.



Formalin-fixed, paraffin-embedded Human colon carcinoma tissue stained for p62/SQSTM1 using 56089 at 1/100 dilution in immunohistochemical analysis.

Product Description

Autophagy receptor that interacts directly with both the cargo to become degraded and an autophagy modifier of the MAP1 LC3 family. Required both for the formation and autophagic degradation of polyubiquitin-containing bodies, called ALIS (aggresome-like induced structures) and links ALIS to the autophagic machinery. Involved in midbody ring degradation. May regulate the activation of NFKB1 by TNF-alpha, nerve growth factor (NGF) and interleukin-1.

Published Papers

Wang Lu;Sang Wanyue;Jian Yi;Han Yafan;Wang Feifei;Wubulikasimu Subinuer;Yang Li;Tang Baopeng;Li Yaodong el at., MAPK14/AIFM2 pathway regulates mitophagy-dependent apoptosis to improve atrial fibrillation, , (2024)

PMID:

Note: This product is for in vitro research use only and is not intended for use in humans or animals.