

Basic Information

Product Name	Anti-P62/SQSTM1 Antibody (Clone#21S51)	
Gene Name	SQSTM1	
Source	Rabbit	
Clonality	Monoclonal	
Isotype	IgG	
Species Reactivity	human	
Tested Application	WB, IHC, ICC/IF, IP, FCM	
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.	
Immunogen	A synthesized peptide derived from human SQSTM1 / p62	
Concentration	500 ug/ml	
Purification	Affinity-chromatography	
Observed MW	62 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-200
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200
	ImmunoPrecipitation (IP):	1:50
	Flow Cytometry (FCM):	1:50

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

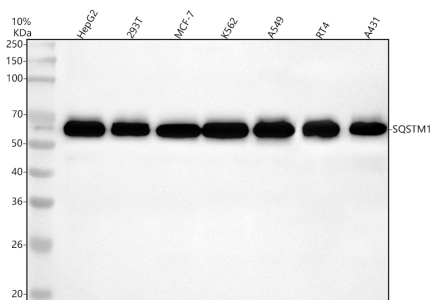
Background Information

SQSTM1(Sequestosome-1), also known as Ubiquitin-Binding Protein P62 or P62, is a protein that in humans is encoded by the SQSTM1 gene. The Src homology type 2(SH2) domain is a highly conserved motif of about 100 amino acids which mediates protein-protein interactions by binding to phosphotyrosine.p56-lck, a T-cell-specific src family tyrosine kinase with an SH2 domain, is involved in T-cell signal transduction. The International Radiation Hybrid Mapping Consortium mapped the p62 gene to chromosome 5q35. Park et al.(1995) found that the p56-lck SH2 domain binds to p62 at the ser59 of p62 only when that serine is phosphorylated. Joung et al.(1996) expressed epitope-tagged p62 in Hela cells and showed that the expressed protein bound to the lck SH2 domain and that this binding was dependent on the N-terminal 50 amino acids of p62 but not on the tyrosine residue in this region.

Reference

Anti-P62/SQSTM1 Antibody (Clone#21S51)被引用在3文献中。

Selected Validation Data



Western blot analysis of anti-P62/SQSTM1 antibody (M00300-3).

The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human HepG2 whole cell lysates,

Lane 2: human 293T whole cell lysates,

Lane 3: human MCF-7 whole cell lysates,

Lane 4: human K562 whole cell lysates,

Lane 5: human A549 whole cell lysates,

Lane 6: human RT4 whole cell lysates,

Lane 7: human A431 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-P62/SQSTM1

antigen affinity purified monoclonal antibody (M00300-3) at a

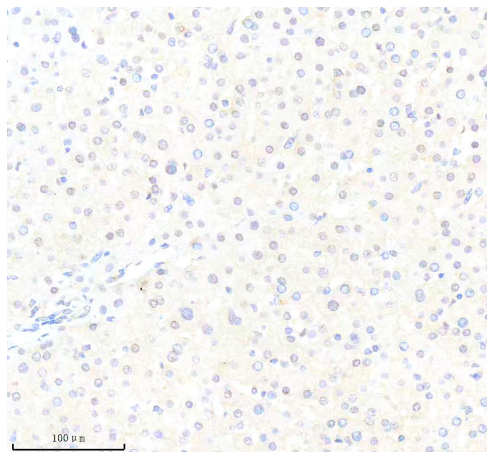
dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP

secondary antibody (Catalog # BA1054). The signal is developed

using ECL Plus Western Blotting Substrate (Catalog # AR1197). A

specific band was detected for P62/SQSTM1 at approximately 62

kDa. The expected band size for P62/SQSTM1 is at 48 kDa.



IHC analysis of P62/SQSTM1 using anti-P62/SQSTM1 antibody (M00300-3) .

P62/SQSTM1 was detected in a paraffin-embedded section of human liver tissue. The tissue section was incubated with rabbit anti-P62/SQSTM1 Antibody (M00300-3) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.