Product name:	SQSTM1/ P62 Monoclonal Antibody
Cat number:	MAB-94691
Conjugate:	Unconjugated
Size:	100ug
Clone:	EPR18351
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human SQSTM1(91-110aa KDDIFRIYIKEKKECRRDHR), different from the related rat and mouse sequences by one amino acid.
Reactivity:	Hu, Ms, Rt
Applications:	Western Blot: 1:1000-1:5000 Immunohistochemistry (paraffin-embedded tissues): 1:500-1:1000 Immunohistochemistry (frozen section): 1:500-1:1000 Immunocytochemistry: 1:500-1:1000 Immunofluorescence: 1:500
Molecular Weight:	62kDa
Purification:	Aff. Pur.
Form:	Liquid
Buffer:	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Storage:	At -20˚C for one year. at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.
Background:	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.