

**Cat. No:** 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.

**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.

**Form:** Liquid

**Buffer:** Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Thimerosal, 0.05mg NaN<sub>3</sub>.

**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.

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