

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 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.

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