

Product datasheet for **AM05257PU-N**

Rb (RB1) Mouse Monoclonal Antibody [Clone ID: XZ91]

Product data:

Product Type:	Primary Antibodies
Clone Name:	XZ91
Applications:	IP, WB
Recommended Dilution:	Western Blot. Immunoprecipitation.
Reactivity:	Chicken, Human, Mink, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant protein corresponding to amino acids 393-572 of the Human Retinoblastoma sequence.
Specificity:	Recognizes Retinoblastoma (Rb).
Formulation:	PBS containing 0.08% Sodium Azide as preservative. State: Purified State: Liquid (0.2µm sterile filtered) purified IgG fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Can be shipped at 2-8°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	RB transcriptional corepressor 1
Database Link:	Entrez Gene 5925 Human P06400



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Background:

Retinoblastoma encodes a phosphorylated protein p110 and binds and regulates E2F transcription factors. Rb functions as a major cell cycle regulator by its ability to repress gene transcription by all three RNA polymerases. In its hypophosphorylated form, Rb binds to a subset of E2F containing complexes converting them to repressors preventing expression of E2F target genes. These complexes repress transcription via E2F binding elements in the promoters of cell cycle control genes, such as E2F-1, c-myc, and cdc2 genes.

Synonyms:

Retinoblastoma 1, Rb, p105-Rb, pRb, pp110, OSRC

Note:

Predicted Molecular Weight: 105 kDa