

## Product datasheet for **AP10444SU-N**

### **RAD21 Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western Blot:</b> 1/200-1/2000.. <b>Immunohistochemistry:</b> 1/50-1/500.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from Internal domain of Human RAD21
Specificity:	Reacts with 71 kDa RAD21 protein.
Formulation:	Tris 0,1M, glycine 0,1M, sucrose 2% State: Serum State: Lyophilized serum Preservative: None
Reconstitution Method:	Restore in distilled water.
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	RAD21 cohesin complex component
Database Link:	<a href="#">Entrez Gene 5885 Human</a> <a href="#">O60216</a>



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**Background:**

RAD21 is highly similar to the gene product of *Schizosaccharomyces pombe rad21*, a protein involved in the repair of DNA double-strand breaks, as well as in chromatid cohesion during mitosis. This protein is a nuclear phospho-protein, which becomes hyperphosphorylated in cell cycle M phase. The highly regulated association of this protein with mitotic chromatin specifically at the centromere region suggests its role in sister chromatid cohesion in mitotic cells.

**Synonyms:**

HR21, KIAA0078, NXP1, Nuclear matrix protein 1, SCC1 homolog