

## Product datasheet for **TA301500**

### **RAD21 Mouse Monoclonal Antibody [Clone ID: CM110-2C10]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	CM110-2C10
Applications:	Simple Western, WB
Recommended Dilution:	Western Blot: 1:500 (ECL), Simple Western: 1:50
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	An N-terminal fusion protein of the C-terminal fragment of Scc1 subunit human cohesin (amino acids 544-631 of hRad21)
Formulation:	PBS and 0.1% sodium azide
Concentration:	lot specific
Purification:	IgG purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	RAD21 cohesin complex component
Database Link:	<a href="#">NP_006256</a> <a href="#">Entrez Gene 19357 Mouse</a> <a href="#">Entrez Gene 5885 Human</a> <a href="#">O60216</a>
Background:	The cohesin complex plays an important role in tethering sister chromatids during the prophase through anaphase stages of mitosis, making certain that genomic information is replicated accurately. As the cellular division process continues, separase destroys the cohesin complex by means of cleaving its Scc1 subunit (Mcd1/Scc1/hRad21), allowing the chromatids to separate and divide with the cell. During apoptosis the C-terminal portion of hRad21 is cleaved and translocated to the cytoplasm. This cleavage and translocation may act as a nuclear signal that promotes and accelerates subsequent events of apoptosis (2).
Synonyms:	CDLS4; hHR21; HR21; HRAD21; MCD1; NXP1; SCC1



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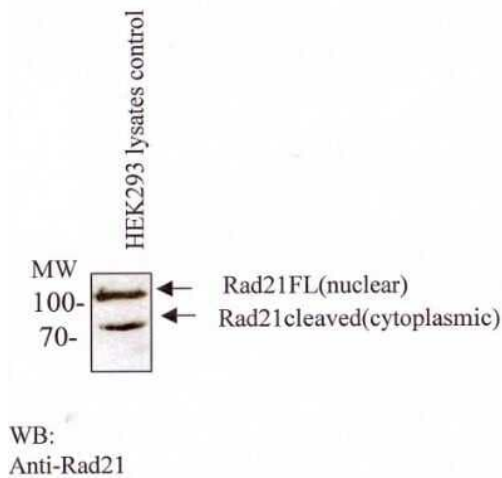
Protein Families: Druggable Genome

Protein Pathways: Cell cycle

**Product images:**



Simple Western: Rad21 Antibody (CM110-2C10) TA301500 - Simple Western lane view shows a specific band for Rad21 in 0.5 mg/ml of Hek293 lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Western Blot: Rad21 Antibody (CM110-2C10) TA301500 - Western blot with monoclonal anti-Rad21 (TA301500) in HEK293 lysates.