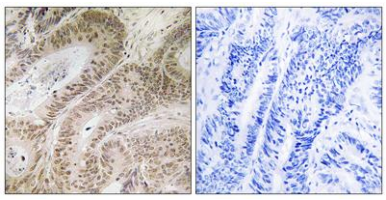
RDM1 rabbit pAb

Cat#: orb767987 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	RDM1 rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human RDM1. AA range:118-167
Specificity	RDM1 Polyclonal Antibody detects endogenous levels of RDM1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	RAD52 motif-containing protein 1
Gene Name	RDM1
Cellular localization	Nucleus . Cytoplasm . Nucleus, nucleolus . Isoform 3 and isoform 10 are predominantly nuclear and nucleolar. After treatment with proteasomal inhibitors and mild heat-shock stress, isoform 1, isoform 3, isoform 5, isoform 7, isoform 8 and isoform 10 are relocalized to the nucleolus as dot-like or irregular subnuclear structures. Isoform 1 colocalized with nuclear promyelocytic leukemia (PML) and Cajal bodies (CB); this association with nuclear bodies is enhanced in response to proteotoxic stress. Isoform 3, but not isoform 1 and isoform 5, is relocalized in nucleolar caps during transcriptional arrest.; [Isoform 1]: Cytoplasm. Nucleus, PML body. Nucleus, Cajal body. Isoform 1 is predominantly cytoplasmic. Isoform 1 colocalized

	with nuclear promyelocytic leukemia (PML) and Cajal bodies (CB)
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	201299
Human Swiss-Prot Number	Q8NG50
Alternative Names	RDM1; RAD52B; RAD52 motif-containing protein 1; RAD52 homolog B
Background	This gene encodes a protein involved in the cellular response to cisplatin, a drug commonly used in chemotherapy. The protein encoded by this gene contains two motifs: a motif found in RAD52, a protein that functions in DNA double-strand breaks and homologous recombination, and an RNA recognition motif (RRM) that is not found in RAD52. The RAD52 motif region in RAD52 is important for protein function and may be involved in DNA binding or oligomerization. Alternatively spliced transcript variants encoding different isoforms have been reported. [provided by RefSeq, Jul 2008],



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma, using RDM1 Antibody. The picture on the right is blocked with the synthesized peptide.

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