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Product datasheet for AM20858PU-N

RAD51 Mouse Monoclonal Antibody [Clone ID: 13E4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	13E4
Applications:	IHC, WB
Recommended Dilution:	**Immunohistochemistry on Paraffin Sections:** 5 µg/ml. **Western Blot**.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Human Rad51 protein
Specificity:	Recognizes recombinant RAD51.
Formulation:	PBS, pH 7.2 without preservatives State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein G Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	RAD51 recombinase
Database Link:	Entrez Gene 5888 Human Q06609

View online »

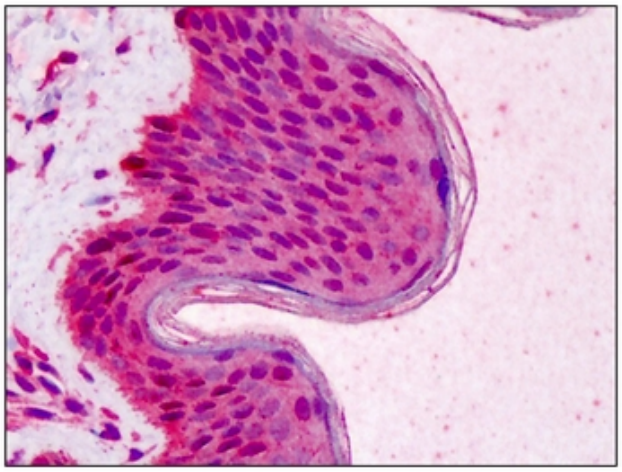
Background: Rad51, a 37 kDa protein, is the human homologue of E. coli RecA protein and a member of the RAD52 epistasis group in S. cerevisiae. In recent studies it has been reported that BRCA1 interacts with Rad51 and disease-causing mutations have been found in the BRCA1 region necessary for BRCA1/Rad51 interaction, implying that this interaction is important for tumor suppression. BRCA2 and Rad51 have also been shown to interact by direct binding of the BRC repeats located within exon 11 of BRCA2. When these repeats are deleted, the interaction is lost and cells become hypersensitive to the DNA damage caused by methyl methanesulfonate (MMS).

Synonyms: RAD51A, RECA

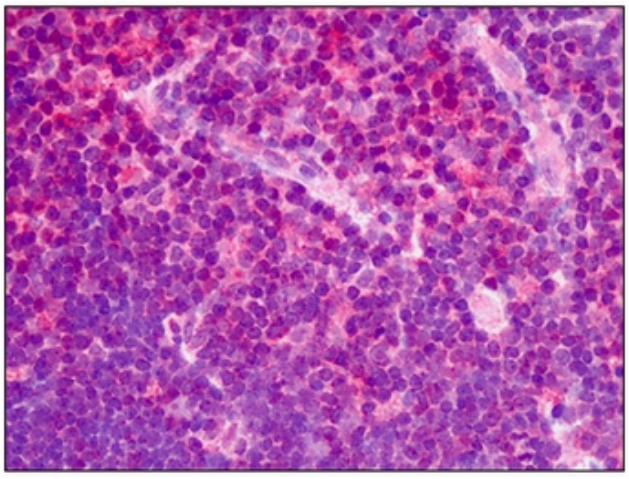
Protein Families: Druggable Genome, Stem cell - Pluripotency, Transcription Factors

Protein Pathways: Homologous recombination, Pancreatic cancer, Pathways in cancer

Product images:



Human Skin: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Thymus: Formalin-Fixed, Paraffin-Embedded (FFPE)