



Anti-RAD51D polyclonal antibody (DPAB-DC2656)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description

The protein encoded by this gene is a member of the RAD51 protein family. RAD51 family members are highly similar to bacterial RecA and *Saccharomyces cerevisiae* Rad51, which are known to be involved in the homologous recombination and repair of DNA. This protein forms a complex with several other members of the RAD51 family, including RAD51L1, RAD51L2, and XRCC2. The protein complex formed with this protein has been shown to catalyze homologous pairing between single- and double-stranded DNA, and is thought to play a role in the early stage of recombinational repair of DNA. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the downstream ring finger and FYVE-like domain containing 1 (RFFL) gene.

Specificity

This antibody is expected to recognize all five human isoforms of this protein.

Immunogen

A synthetic peptide corresponding to human RAD51L3. The sequence is GVLVGGLCPGLTEE

Source/Host

Goat

Species Reactivity

Human

Purification

Antigen affinity purification

Conjugate

Unconjugated

Applications

ELISA,

Format

Liquid

Concentration

0.5 mg/mL

Size

100 µg

Buffer

In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)

Preservative	0.02% Sodium Azide
Storage	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	RAD51D RAD51 paralog D [Homo sapiens (human)]
Official Symbol	RAD51D
Synonyms	RAD51D; RAD51 paralog D; TRAD; R51H3; BROVCA4; RAD51L3; DNA repair protein RAD51 homolog 4; RAD51 homolog D; RAD51-like protein 3; recombination repair protein;
Entrez Gene ID	5892
Protein Refseq	NP_001136043
UniProt ID	Q75771
Chromosome Location	17q11
Pathway	Homologous recombination.
Function	ATP binding; DNA binding; DNA-dependent ATPase activity; contributes_to four-way junction DNA binding
