10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

RAD51D Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14690

Specification

RAD51D Antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	O75771
Other Accession	NM_002878, NP_002869
Reactivity	**Human, Mouse, Pig, Dog**
Predicted	**Human, Mouse, Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**34kDa KDa**

RAD51D Antibody - C-terminal region - Additional Information

Gene ID 5892

Alias Symbol	**HsTRAD, R51H3, RAD51D, Trad, TRAD, BROVCA4, RAD51L3**

Other Names
DNA repair protein RAD51 homolog 4, R51H3, RAD51 homolog D, RAD51-like protein 3, TRAD, RAD51D, RAD51L3

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-RAD51D antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
RAD51D Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

RAD51D Antibody - C-terminal region - Protein Information

Name RAD51D

Synonyms RAD51L3

Function
Involved in the homologous recombination repair (HRR) pathway of double-stranded DNA breaks arising during DNA replication or induced by DNA-damaging agents. Bind to single-stranded DNA (ssDNA) and has DNA-dependent ATPase activity. Part of the RAD51 paralog protein complex BCDX2 which acts in the BRCA1-BRCA2-dependent HR pathway. Upon DNA damage, BCDX2 acts downstream of BRCA2 recruitment and upstream of RAD51 recruitment. BCDX2 binds

predominantly to the intersection of the four duplex arms of the Holliday junction and to junction of replication forks. The BCDX2 complex was originally reported to bind single-stranded DNA, single-stranded gaps in duplex DNA and specifically to nicks in duplex DNA. Involved in telomere maintenance. The BCDX2 subcomplex XRCC2:RAD51D can stimulate Holliday junction resolution by BLM.

Cellular Location
Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Chromosome, telomere

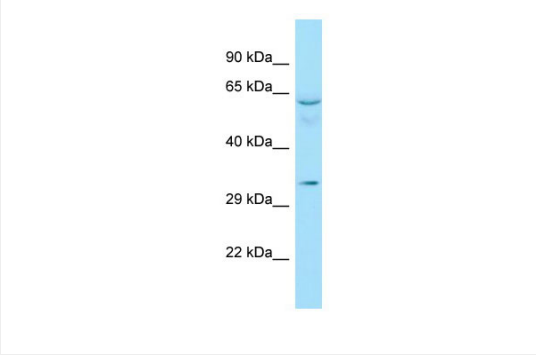
Tissue Location
Expressed in colon, prostate, spleen, testis, ovary, thymus and small intestine. Weakly expressed in leukocytes

RAD51D Antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RAD51D Antibody - C-terminal region - Images



WB Suggested Anti-RAD51D Antibody Titration: 1.0 µg/ml
Positive Control: Fetal Stomach

RAD51D Antibody - C-terminal region - References

Cartwright R.,et al.Nucleic Acids Res. 26:1653-1659(1998).
Pittman D.L.,et al.Genomics 49:103-111(1998).
Kawabata M.,et al.Biochem. Biophys. Res. Commun. 257:156-162(1999).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Zody M.C.,et al.Nature 440:1045-1049(2006).