

Anti-Rad51D Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

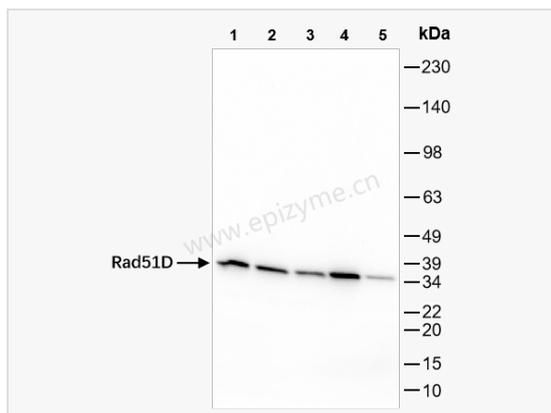
Catalog # R015876

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	25F71H62
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Rad51D
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Rad51D Rabbit mAb [25F71H62] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	RAD51L3; RAD51D; DNA repair protein RAD51 homolog 4; R51H3; RAD51 homolog D; RAD51-like protein 3; TRAD.
Calculated MW	Calculated MW: 35 kDa; Observed MW: 35 kDa
Uniprot ID	O75771
Gene ID	5892
Background	The protein encoded by this gene is a member of the RAD51 protein family. RAD51 family members are highly similar to bacterial RecA and <i>Saccharomyces cerevisiae</i> 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. [provided by RefSeq, Jan 2011]
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.



Western Blot - Anti-Rad51D Rabbit mAb [25F71H62]

All lanes: R015876 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: K562 (Human chronic myeloid leukemia cell) whole cell lysates

Lane 5: SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysates

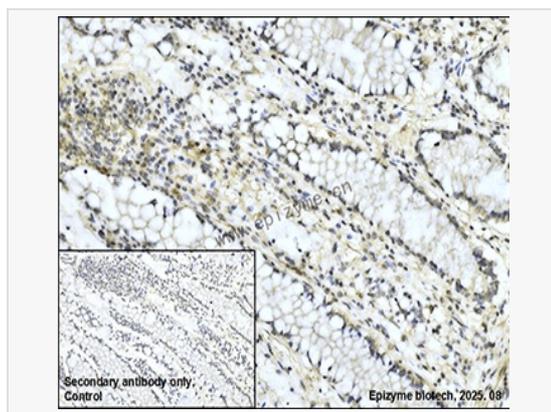
Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 35 kDa

Observed band size: 35 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Rad51D Rabbit mAb [25F71H62]

Sample: Paraformaldehyde-fixed, paraffin embedded human colonic cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R015876 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.