

Anti-Rad51D Rabbit mAb

Purified Rabbit Monoclonal Antibody

Catalog # R010836

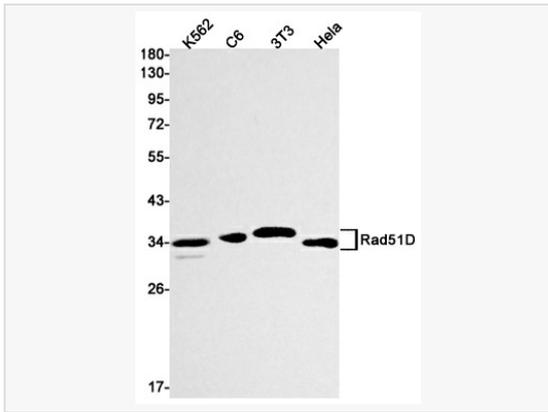
Product Information

Application	WB, IP, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1,000; IP 1:20
Host	Rabbit
Clonality	Monoclonal
Clone No.	28K88L54
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human Rad51D
Format	Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA Purification: Affinity Purified.
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 antibody [28K88L54] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	TRAD, R51H3, BROVCA4, RAD51L3.
Calculated MW	Calculated MW: 35 kDa; Observed MW: 35 kDa
Uniprot ID	O75771
Gene ID	5892
Background	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 Rad21 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.

Validation Images



Western blot analysis of Rad51D in K562, C6, 3T3, HeLa lysates using Rad51D antibody.