

Product Name: XRCC4 (Phospho-Ser260) Rabbit Polyclonal Antibody
Catalog #: APRab06117

Summary

Production Name	XRCC4 (Phospho-Ser260) Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Phospho Antibody
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	XRCC4
Alternative Names	DNA repair protein XRCC4 (X-ray repair cross-complementing protein 4)
Gene ID	7518.0
SwissProt ID	Q13426.

Application

Dilution Ratio	WB 1:500-2000
Molecular Weight	

Background

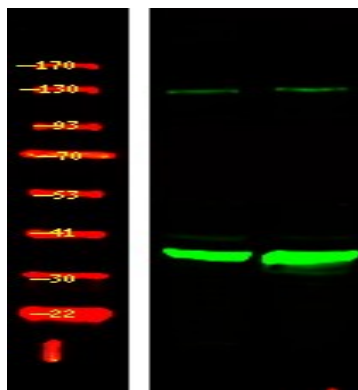
function:Involved in DNA non-homologous end joining (NHEJ) required for double-strand break repair and V(D)J

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recombination. Binds to DNA and to DNA ligase IV (LIG4). The LIG4-XRCC4 complex is responsible for the NHEJ ligation step, and XRCC4 enhances the joining activity of LIG4. Binding of the LIG4-XRCC4 complex to DNA ends is dependent on the assembly of the DNA-dependent protein kinase complex DNA-PK to these DNA ends.,PTM:Monoubiquitinated.,PTM:Phosphorylated by PRKDC. The phosphorylation seems not to be necessary for binding to DNA. Phosphorylation by CK2 promotes interaction with APTX.,PTM:Sumoylation at Lys-210 is required for nuclear localization and recombination efficiency. Has no effect on ubiquitination.,similarity:Belongs to the XRCC4 family.,subunit:Homodimer and homotetramer in solution. The homodimer associates with LIG4, and the LIG4-XRCC4 complex associates in a DNA-dependent manner with the DNA-PK complex formed by the Ku p70/p86 dimer (G22P1/G22P2) and PRKDC. Seems to interact directly with PRKDC but not with the Ku p70/86 dimer. Interacts with XLF/Cernunnos. Interacts with APTX and APLF.,tissue specificity:Widely expressed.,

Research Area

Image Data



Western Blot analysis of 1 A549 cell 2 LPS 100ng/mL 30min treated ,using primary antibody at 1:1000 dilution. Secondary antibody was diluted at 1:10000

Note

For research use only.