

Product Name: XRCC4 (7C10) Mouse Monoclonal Antibody
Catalog #: AMM03579



Summary

Production Name	XRCC4 (7C10) Mouse Monoclonal Antibody
Description	Primary antibody
Host	Mouse
Application	WB,IHC-F,IHC-P,ICC/IF,IP
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG1
Clonality	Monoclonal Antibody
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% sodium azide, pH 7.3.
Purification	Affinity Purified

Immunogen

Gene Name	XRCC4
Alternative Names	X ray repair cross complementing protein 4; DNA repair protein XRCC4; DNA double strand break repair
Gene ID	7518
SwissProt ID	Q13426

Application

Dilution Ratio	WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/20
Molecular Weight	Calculated MW: 38 kDa; Observed MW: 38-45 kDa

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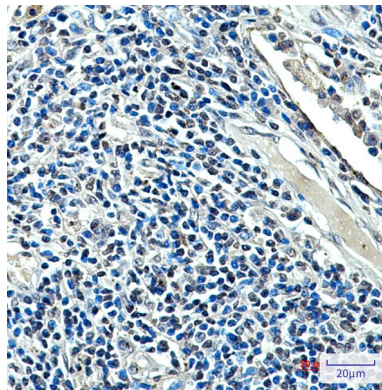
Background

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

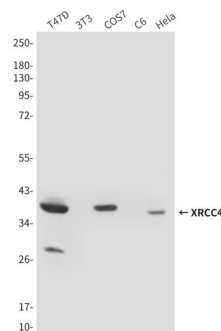
Research Area

Epigenetics and Nuclear Signaling

Image Data

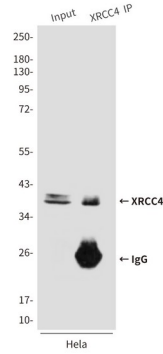


Immunohistochemistry analysis of paraffin-embedded XRCC4 in Human lung cancer using XRCC4 (7C10) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of XRCC4 (7C10) in XRCC4 in T47D, 3T3, COS7, C6 and HeLa lysates using XRCC4 (7C10) antibody

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Immunoprecipitation analysis of XRCC4 in HeLa lysates using XRCC4 antibody.

Note

For research use only.