

# XRCC4 Polyclonal Antibody

Catalog No: tcba6856



## Available Sizes

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**Size:** 50ul

**Size:** 100ul

**Size:** 200ul



## Specifications

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**Application:**

WB,IHC,IF

**Research Area:**

Cancer,Apoptosis,DNA Damage/Repair,

**Species Reactivity:**

Human,Mouse,Rat

**Host Species:**

Rabbit

**Isotype:**

IgG

**Form:**

Liquid

**Storage Buffer:**

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Recommended Dilution:**

WB 1:500 - 1:2000

IHC 1:50 - 1:200

IF 1:10 - 1:100

**Storage Instruction:**

Store at -20°C. Avoid freeze / thaw cycles.

**Alternative Names:**

SSMED

**SwissProt:**

Q13426

**Gene ID:**

7518 (human);

**Calculated Molecular Weight:**

35kDa/38kDa

**Purification:**

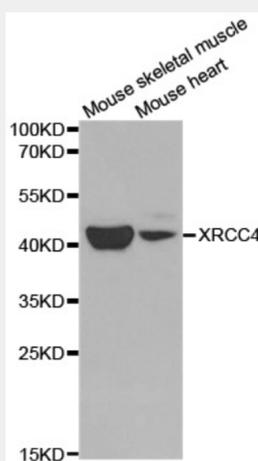
Affinity purification

**Cellular Location:**

Nucleus,

**Product Description**

The protein encoded by this gene functions together with DNA ligase IV and the DNA-dependent protein kinase in the repair of DNA double-strand breaks. This protein plays a role in both non-homologous end joining and the completion of V(D)J recombination. Mutations in this gene can cause short stature, microcephaly, and endocrine dysfunction (SSMED). Alternative splicing generates several transcript variants.

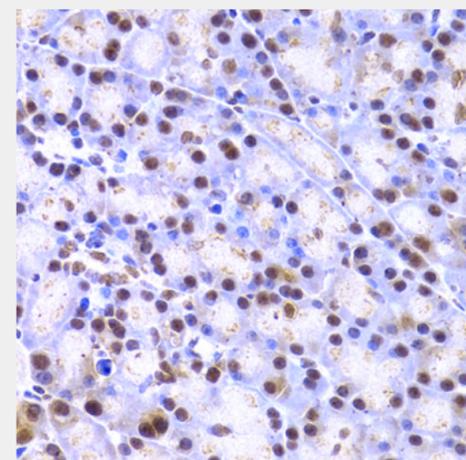


Western blot analysis of extracts of various cell lines, using XRCC4 antibody at 1:1000 dilution.

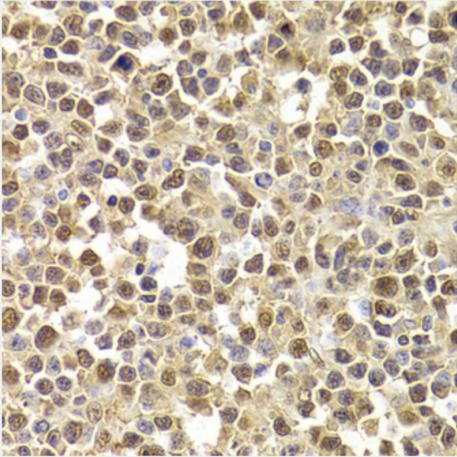
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

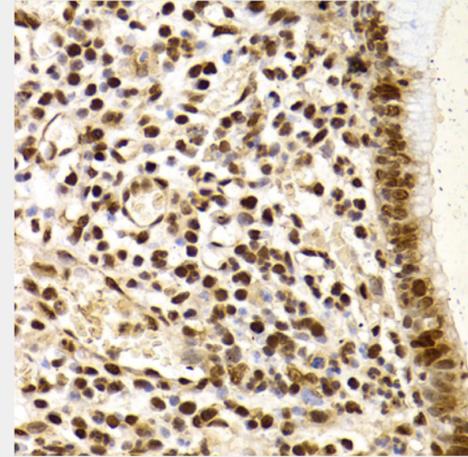
Blocking buffer: 3% nonfat dry milk in TBST.



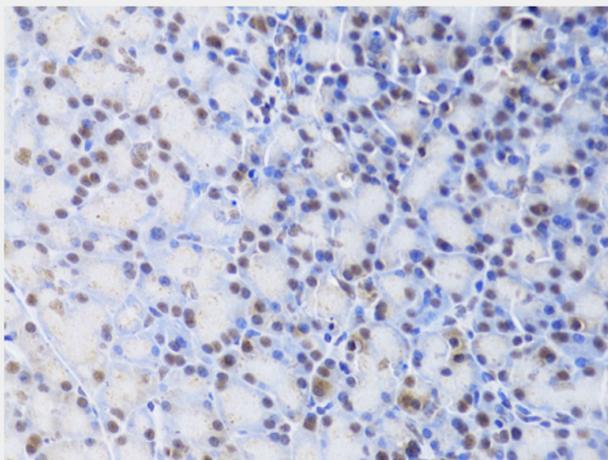
Immunohistochemistry of paraffin-embedded rat pancreas using XRCC4 Antibody at dilution of 1:200 (40x lens).



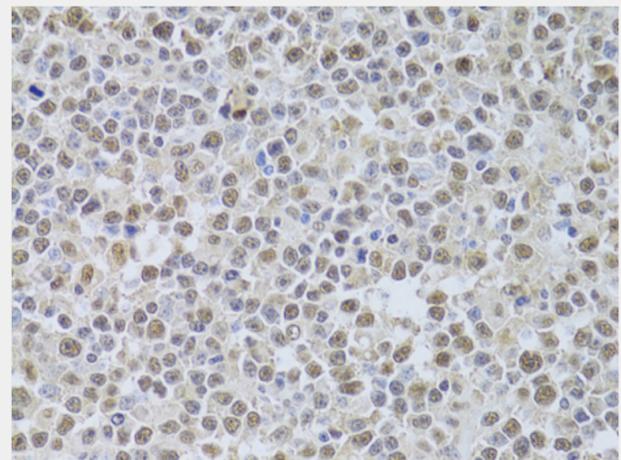
Immunohistochemistry of paraffin-embedded human B cell lymphoma using XRCC4 Antibody at dilution of 1:200 (40x lens).



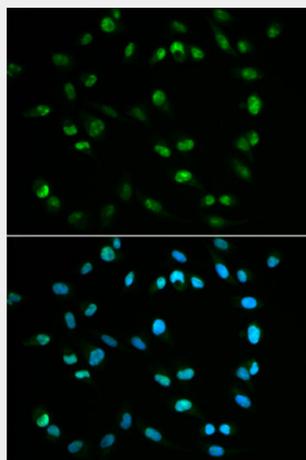
Immunohistochemistry of paraffin-embedded human gastric cancer using XRCC4 Antibody at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded rat pancreas using XRCC4 Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human B cell lymphoma using XRCC4 Antibody at dilution of 1:100 (40x lens).



Immunofluorescence analysis of U2OS cells using XRCC4 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!