

A1677

Leader in Biomolecular Solutions for Life Science



XRCC4 Rabbit pAb

Catalog No.: A1677

11 Publications

Basic Information

Observed MW

55kDa

Calculated MW

38kDa

Category

Polyclonal Antibody

Applications

WB,IHC-P,IF/ICC,ELISA

Cross-Reactivity

Human,Rat

Background

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). Alternate transcript variants such as NM_022406 are unlikely to be expressed in some individuals due to a polymorphism (rs1805377) in the last splice acceptor site.

Recommended Dilutions

WB 1:500 - 1:1000

IHC-P 1:50 - 1:200

IF/ICC 1:50 - 1:100

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

7518

Swiss Prot

Q13426

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

SSMED; hXRCC4; XRCC4

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

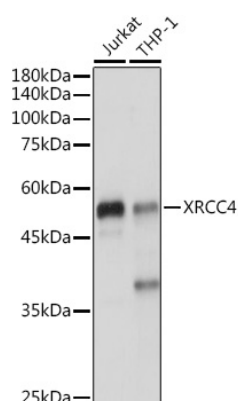
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Contact

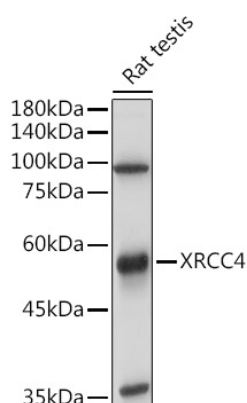


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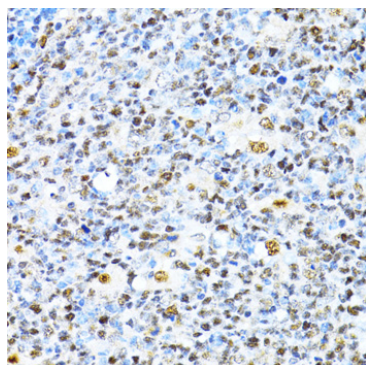
Validation Data



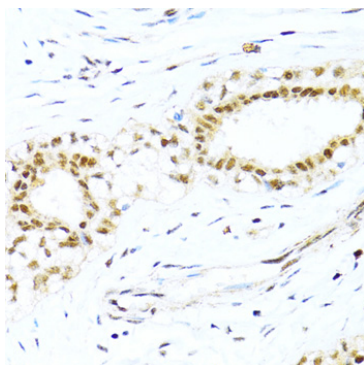
Western blot analysis of various lysates using XRCC4 Rabbit pAb (A1677) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 1s.



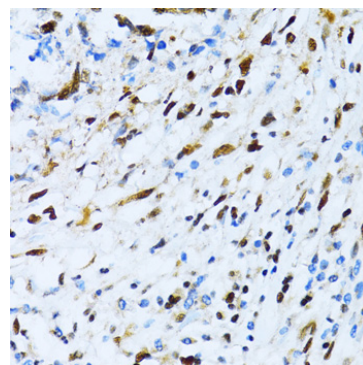
Western blot analysis of lysates from Rat testis, using XRCC4 Rabbit pAb (A1677) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 6s.



Immunohistochemistry analysis of paraffin-embedded Human appendix using XRCC4 Rabbit pAb (A1677) at dilution of 1:100 (40x lens).
Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.

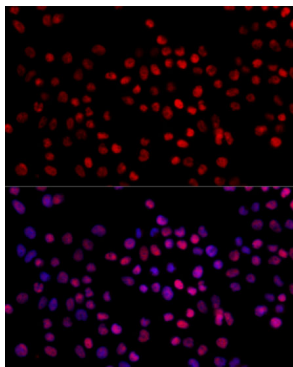


Immunohistochemistry analysis of paraffin-embedded Human breast cancer using XRCC4 Rabbit pAb (A1677) at dilution of 1:100 (40x lens).
Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human gastric cancer using XRCC4 Rabbit pAb (A1677) at dilution of 1:100 (40x lens).
Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.

Validation Data



Immunofluorescence analysis of 293T cells using XRCC4 Rabbit pAb (A1677) at dilution of 1:100. Blue: DAPI for nuclear staining.