# **XRCC4 Rabbit Polyclonal Antibody**



#### **CAB1677**

**Product Information** 

Size:

20uL, 50uL, 100uL, 200uL

**Observed MW:** 

55kDa

Calculated MW:

35kDa/38kDa

**Applications:** 

WB IHC IF

Reactivity:

Human, Mouse, Rat

**Protein 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). Alternative splicing generates several transcript variants.

Immunogen information

**Gene ID:** 7518

Uniprot

Q13426

**Synonyms:** 

XRCC4; SSMED

### **Antibody Information**

#### **Recommended dilutions:**

WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:10 - 1:100

Source:

Rabbit

bit Stor

Isotype:

IgG

Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-336 of human XRCC4 (NP\_071801.1).

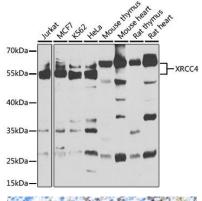
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

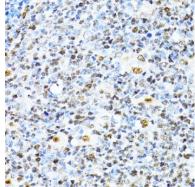
**Purification:** 

Affinity purification

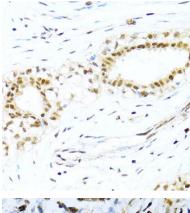
## **Product Images**



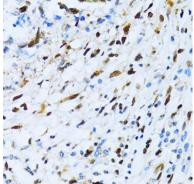
Western blot analysis of extracts of various cell lines, using XRCC4 antibody (CAB1677) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 30s.



Immunohistochemistry of paraffin-embedded human appendix using XRCC4 antibody (CAB1677) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human breast cancer using XRCC4 antibody (CAB1677) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human gastric cancer using XRCC4 antibody (CAB1677) at dilution of 1:100 (40x lens).