

XRCC4 Antibody

Catalog No: #32382

Package Size: #32382-1 50ul #32382-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

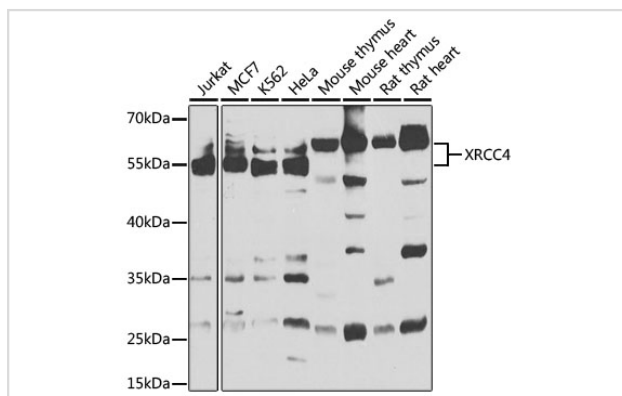
Description

Product Name	XRCC4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total XRCC4 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human XRCC4.
Target Name	XRCC4
Other Names	XRCC4; DNArepairproteinXRCC4; X-rayrepaircross-complementingprotein4;
Accession No.	Swiss-Prot:Q13426NCBI Gene ID:7518
Uniprot	Q13426
GeneID	7518;
SDS-PAGE MW	38KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

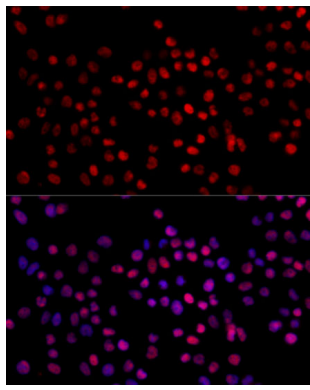
Application Details

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

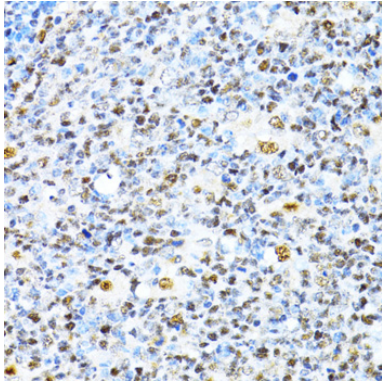
Images



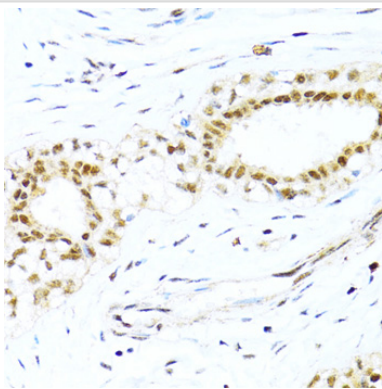
Western blot analysis of extracts of various cell lines, using XRCC4 at 1:1000 dilution.



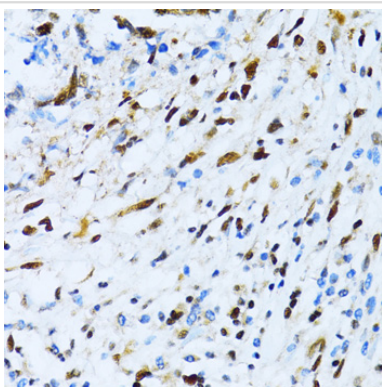
Immunofluorescence analysis of 293T cells using XRCC4 at dilution of 1:100. Blue: DAPI for nuclear staining.



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



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



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

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 break by non-homologous end joining and the completion of V(D)J recombination events. The non-homologous end-joining pathway is required both for normal development and for suppression of tumors. This gene functionally complements XR-1 Chinese hamster ovary cell mutant, which is impaired in DNA double-strand breaks produced by ionizing radiation and restriction enzymes. Alternative transcription initiation and alternative splicing generates several transcript variants.

Note: This product is for in vitro research use only