

XRCC1 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP09623
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human XRCC1. AA range:517-566
Mol wt	69526
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	XRCC1 Antibody
Synonyms	XRCC1; DNA repair protein XRCC1; X-ray repair cross-complementing protein 1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

DNA repair protein XRCC1 encoded by XRCC1 is involved in the efficient repair of DNA single-strand breaks formed by exposure to ionizing radiation and alkylating agents. This protein interacts with DNA ligase III, polymerase beta and poly (ADP-ribose) polymerase to participate in the base excision repair pathway. It may play a role in DNA processing during meiosis and recombination in germ cells. A rare microsatellite polymorphism in this gene is associated with cancer in patients of varying radiosensitivity.

Recommended Dilution

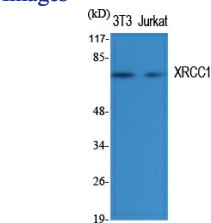
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

ELISA: 1: 10000

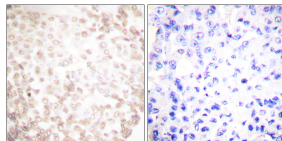
Not yet tested in other applications.

Images

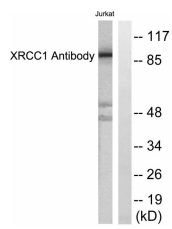


Western Blot analysis of various cells using XRCC1 Polyclonal Antibody diluted at 1:1000.

Secondary antibody was diluted at 1:20000 cells nucleus.



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using XRCC1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat cells, using XRCC1 Antibody. The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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