
Product Name: XRCC1 Mouse Monoclonal Antibody**Catalog #: AMM82774**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA,FC
Reactivity	Human, Monkey
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	69.5kDa

Antigen Information

Gene Name	XRCC1
Alternative Names	RCC; SCAR26
Gene ID	7515.0
SwissProt ID	P18887
Immunogen	Purified recombinant fragment of human XRCC1 (AA:1-150) expressed in E. Coli.

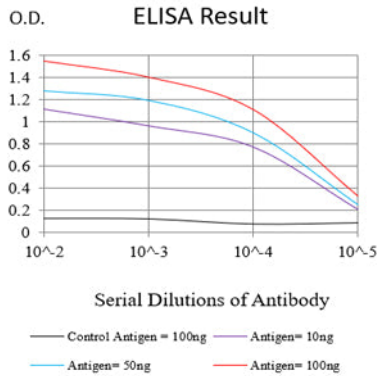
Background

The protein encoded by this gene 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

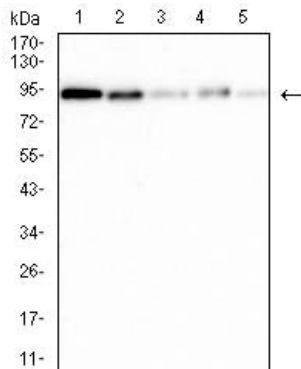
germ cells. A rare microsatellite polymorphism in this gene is associated with cancer in patients of varying radiosensitivity.

Research Area

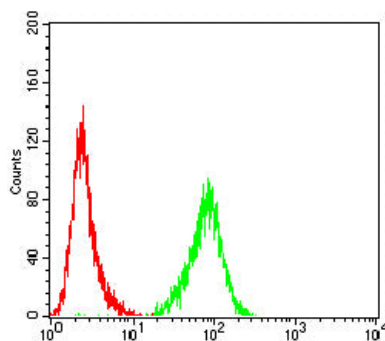
Image Data



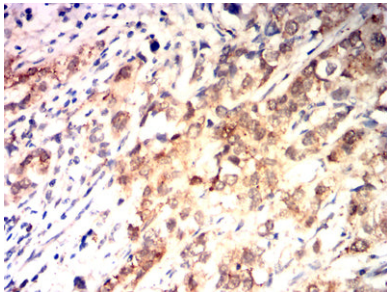
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



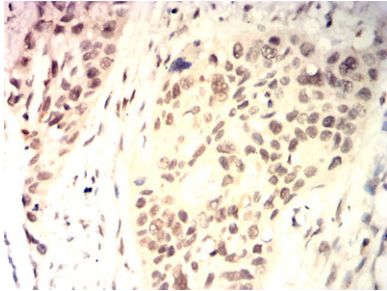
Western blot analysis using XRCC1 mouse mAb against HeLa (1), Jurkat (2),k562 (3),SK-OV-3 (4), and COS-7 (5) cell lysate.



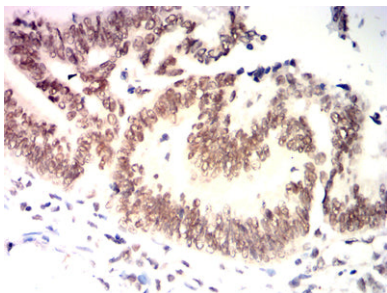
Flow cytometric analysis of Jurkat cells using XRCC1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human bladder Cancer tissues using Jurkat mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human esophageal cancer tissues using Jurkat mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human rectal cancer tissues using Jurkat mouse mAb with DAB staining.