

XRCC1

Reactivity:Human

Tested applications:WB

Recommended Dilution:WB 1:500 - 1:2000

Calculated MW:85kDa

Observed MW:Refer to Figures

Immunogen:

Recombinant protein of human XRCC1

Storage Buffer:

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

Concentration:

e

Synonym:

XRCC1;RCC;DNA repair protein XRCC1;X-ray repair cross-complementing protein 1;

Catalog #:A0443

Antibody Type:

Monoclonal Antibody

Species:Mouse

Gene ID:7515

Isotype:IgG

Swiss Prot:P18887

Purity:Affinity purification

For research use only.

Background:

The X-ray repair cross complementing protein 1 (XRCC1) is a DNA repair protein important in both single strand break repair and base excision repair following damage from ionizing radiation and alkylating agents (1). XRCC1 acts as a scaffold protein to coordinate DNA abasic site repair through interaction with several other repair proteins (2). At least eight XRCC1 protein partners have been identified, including the polynucleotide kinase PNK (3), DNA ligase III (4,5), poly (ADP-ribose) polymerase (6), and PCNA (7). Mutations and polymorphisms in the XRCC1 gene serve as diagnostic markers and are associated with elevated risk of various forms of cancers (8).

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