

## Product datasheet for **TA500879BM**

### **XRCC1 Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI2G8]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI2G8
<b>Applications:</b>	FC, WB
<b>Recommended Dilution:</b>	WB 1:2000, FLOW 1:100
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human XRCC1 (NP_006288) produced in HEK293T cell.
<b>Formulation:</b>	PBS (pH 7.3) containing 1% BSA, 50% glycerol.
<b>Concentration:</b>	0.5 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	HRP
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	69.3 kDa
<b>Gene Name:</b>	X-ray repair cross complementing 1
<b>Database Link:</b>	<a href="#">NP_006288</a> <a href="#">Entrez Gene 22594 Mouse</a> <a href="#">Entrez Gene 84495 Rat</a> <a href="#">Entrez Gene 7515 Human</a> <a href="#">P18887</a>
<b>Background:</b>	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. [provided by RefSeq]



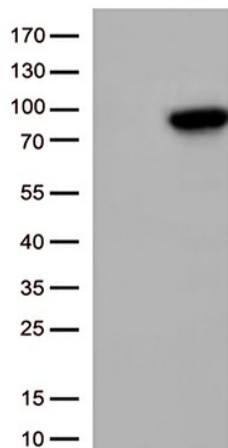
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Synonyms: RCC

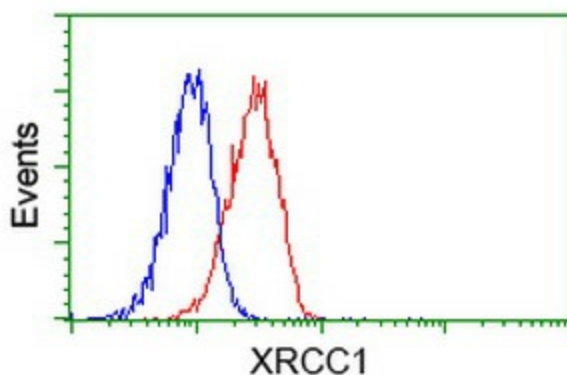
Protein Families: Druggable Genome

Protein Pathways: Base excision repair

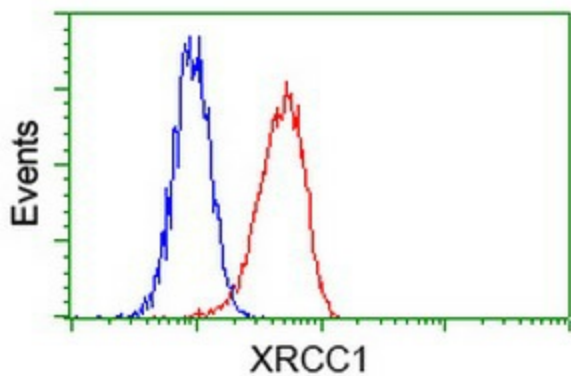
### Product images:



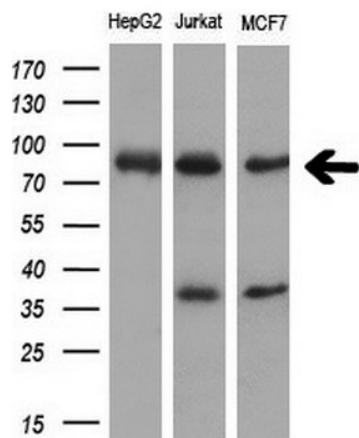
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY XRCC1 ([RC204952], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-XRCC1 (1:1000).



Flow cytometric Analysis of Jurkat cells, using anti-XRCC1 antibody ([TA500879]), (Red), compared to a nonspecific negative control antibody, (Blue).



Flow cytometric Analysis of HeLa cells, using anti-XRCC1 antibody ([TA500879]), (Red), compared to a nonspecific negative control antibody, (Blue).



Western blot analysis of extracts (10ug) from 3 different cell lines by using anti-XRCC1 monoclonal antibody (1:200).