

**XRCC1 (Phospho Thr284) rabbit pAb**

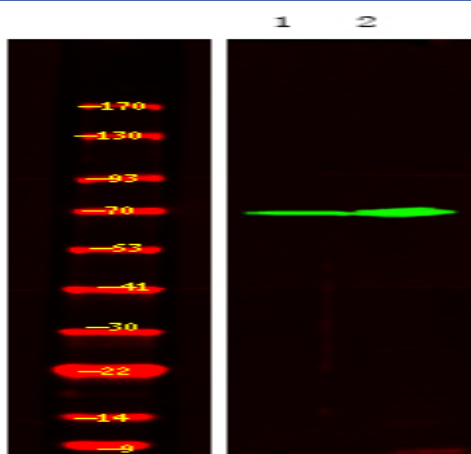
<b>Catalog No :</b>	YP1744
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB
<b>Target :</b>	XRCC1
<b>Fields :</b>	>>Base excision repair
<b>Gene Name :</b>	XRCC1
<b>Protein Name :</b>	XRCC1 (Phospho-Thr284)
<b>Human Gene Id :</b>	7515
<b>Human Swiss Prot No :</b>	P18887
<b>Mouse Gene Id :</b>	22594
<b>Mouse Swiss Prot No :</b>	Q60596
<b>Rat Gene Id :</b>	84495
<b>Rat Swiss Prot No :</b>	Q9ESZ0
<b>Immunogen :</b>	Synthesized peptide derived from human XRCC1 (Phospho-Thr284)
<b>Specificity :</b>	This antibody detects endogenous levels of XRCC1 (Phospho-Thr284) at Human, Mouse,Rat
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000

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<b>Purification :</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	70kD
<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, Jul 2008],
<b>Function :</b>	function:Corrects defective DNA strand-break repair and sister chromatid exchange following treatment with ionizing radiation and alkylating agents.,polymorphism:Carriers of the polymorphic Gln-399 allele may be at greater risk for tobacco- and age-related DNA damage.,PTM:Phosphorylation of Ser-371 causes dimer dissociation. Phosphorylation by CK2 promotes interaction with APTX and APLF.,PTM:Sumoylated.,similarity:Contains 2 BRCT domains.,subcellular location:Accumulates at sites of DNA damage.,subunit:Homodimer. Interacts with polynucleotide kinase (PNK), DNA polymerase-beta (POLB) and DNA ligase III (LIG3). Interacts with APTX and APLF.,
<b>Subcellular Location :</b>	Nucleus . Moves from the nucleoli to the global nuclear chromatin upon DNA damage. .
<b>Expression :</b>	Expressed in fibroblasts, retinal pigmented epithelial cells and lymphoblastoid cells (at protein level).
<b>Tag :</b>	orthogonal
<b>Sort :</b>	25223
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Phospho

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## Products Images



Western Blot analysis of 1 HeLa cell, 2 LPS 100ng/mL 30min treated ,using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000