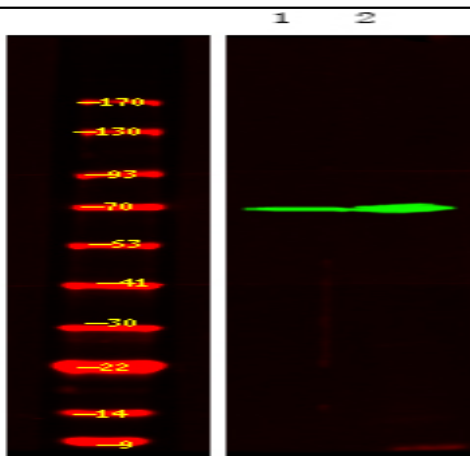


XRCC1 (Phospho Thr284) rabbit pAb

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

Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	70kD
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. [provided by RefSeq, Jul 2008],
Function :	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.,
Subcellular Location :	Nucleus . Moves from the nucleoli to the global nuclear chromatin upon DNA damage. .
Expression :	Expressed in fibroblasts, retinal pigmented epithelial cells and lymphoblastoid cells (at protein level).

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