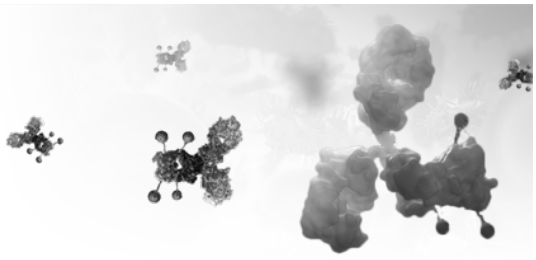

Anti-XRCC5 (aa 323-338) polyclonal antibody (DPAB-DC985)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	XRCC5 (X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining)) is a protein-coding gene. Diseases associated with XRCC5 include tinea capitis, and dna ligase iv deficiency, and among its related super-pathways are Non-homologous end joining and Integration of provirus. GO annotations related to this gene include transcription regulatory region DNA binding and ubiquitin protein ligase binding.
Specificity	Reacts with residues 323-338 [FSKVDEEQMKYKSEGK] of the 80 KDa Ku80 protein. Sequence is 100% conserved between human, mouse rat and hamster.
Immunogen	A synthetic peptide corresponding to amino acids 323-338 of Xrcc5. The sequence is FSKVDEEQMKYKSEGK
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Conjugate	Unconjugated
Applications	WB (Cell lysate),
Format	Liquid
Size	100 µg
Buffer	In PBS (0.02% sodium azide)
Preservative	0.02% Sodium Azide
Storage	Store at 4°C for short term. For long term storage store at -20°C.Aliquot to avoid repeated

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freezing and thawing.

GENE INFORMATION

Gene Name	Xrcc5 X-ray repair complementing defective repair in Chinese hamster cells 5 [Mus musculus (house mouse)]
Official Symbol	XRCC5
Synonyms	XRCC5; X-ray repair complementing defective repair in Chinese hamster cells 5; Ku80; Ku86; AI314015; X-ray repair cross-complementing protein 5; CTC85; CTCBF; Ku p80; nuclear factor IV; DNA repair protein XRCC5; ku autoantigen protein p86 homolog; CTC box-binding factor 85 kDa subunit; ATP-dependent DNA helicase 2 subunit 2; ATP-dependent DNA helicase II 80 kDa subunit;
Entrez Gene ID	22596
Protein Refseq	NP_033559
UniProt ID	P27641
Chromosome Location	1 E; 1 36.5 cM
Pathway	Cytosolic sensors of pathogen-associated DNA; DNA-PK complex; IRF3-mediated induction of type I IFN; Innate Immune System
Function	contributes_to 5-deoxyribose-5-phosphate lyase activity; ATP binding; ATP-dependent DNA helicase activity; DNA binding

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