

Immunotag™ XRCC4 Antibody

Antibody Specification	
Catalog No.	ITA6630
Product Description	Immunotag™ XRCC4 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	XRCC4
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human XRCC4
Specificity	XRCC4 Antibody detects endogenous levels of total XRCC4
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	XRCC4
Accession No.	Q13426
Alternate Names	DNA double strand break repair and V(D)J recombination protein XRCC4; DNA repair protein XRCC4; SSMED; X ray repair complementing defective repair in Chinese hamster cells 4; X ray repair cross complementing 4; X ray repair cross complementing protein 4; X-ray repair cross-complementing protein 4; XRCC 4; XRCC4; XRCC4_HUMAN;

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Description	Involved in DNA non-homologous end joining (NHEJ) required for double-strand break repair and V(D)J recombination. Binds to DNA and to DNA ligase IV (LIG4). The LIG4-XRCC4 complex is responsible for the NHEJ ligation step, and XRCC4 enhances the joining activity of LIG4. Binding of the LIG4-XRCC4 complex to DNA ends is dependent on the assembly of the DNA-dependent protein kinase complex DNA-PK to these DNA ends.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	38kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.