

## Anti-XRCC3 Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human,Rat (predicted:Mouse,Dog,Cow,Rabbit,Sheep)
Molecular Weight:	Theoretical: 38 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	<p>1. Blank control (Black line): Molt4 (Black).                      Primary Antibody (green line): Rabbit Anti-XRCC3 antibody (TMAB-14219)                      Dilution: 1 µg /10<sup>6</sup> cells;                      Isotype Control Antibody (orange line): Rabbit IgG.                      Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF647                      Dilution: 1 µg /test.                      Protocol                      The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.</p>
	<p>2. Tissue/cell: rat spleen tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;                      Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;                      Incubation: Anti-XRCC3 Polyclonal Antibody, Unconjugated (TMAB-14219) 1:100, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining</p>
	<p>3. Tissue/cell: rat rectum tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;                      Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;                      Incubation: Anti-XRCC3 Polyclonal Antibody, Unconjugated (TMAB-14219) 1:100, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining</p>
Application:	IHC-P,IHC-Fr,IF,FCM
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 1µg/Test

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human XRCC3

Antigen Species: Human

Gene ID: 7517

Uniprot ID: O43542

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### Research Background

Involved in the homologous recombination repair (HRR) pathway of double-stranded DNA, thought to repair chromosomal fragmentation, translocations and deletions. Plays a role in regulating mitochondrial DNA copy number under conditions of oxidative stress in the presence of RAD51 and RAD51C.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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