

Anti-XRCC5 Antibody (3S578)

Product Details

Ig Type:	IgG1, Kappa
Reactivity:	Human
Clone:	3S578
Purification:	Protein G purified

Applications

Verified Activity:	1. Cell line: HeLa
	Fixative: 100% Ice-cold methanol
	Permeabilization: 0.1% TritonX-100
	Primary ab dilution: 1:50
	Primary incubation condition: 4°C overnight Nuclear counter stain: DAPI (Blue)
	Counter stain: Tubulin (Red)
	Comment: Color green is the positive signal for TMAB-14222
	2. Blocking buffer: 5% NFDM/TBST
	Primary ab dilution: 1:1000
	Primary ab incubation condition: 4°C overnight
Application:	Lysate: HeLa, Jurkat, A549
	Protein loading quantity: 20 µg
	Exposure time: 30 s
	Predicted MW: 86 kDa
	Observed MW: 86 kDa
Recommended	WB: 1:500-2000; ICC/IF: 1:50-200

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

Gene ID:	7520
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Research Background

The protein encoded by this gene is the 80-kilodalton subunit of the Ku heterodimer protein which is also known as ATP-dependant DNA helicase II or DNA repair protein XRCC5. Ku is the DNA-binding component of the DNA-dependent protein kinase, and it functions together with the DNA ligase IV-XRCC4 complex in the repair of DNA double-strand break by non-homologous end joining and the completion of V(D)J recombination events. This gene functionally complements Chinese hamster xrs-6, a mutant defective in DNA double-strand break repair and in ability to undergo V(D)J recombination. A rare microsatellite polymorphism in this gene is associated with cancer in patients of varying radiosensitivity.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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