

Mouse Monoclonal Antibody to XRCC5

Catalogue Number	sAP-0587
Target Molecule	<p>Name: XRCC5</p> <p>Aliases: KU80; KUB2; Ku86; NFIV; KARP1; KARP-1; FLJ39089</p> <p>MW: 86kDa</p> <p>Entrez Gene ID: 7520</p>
Description	<p>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.</p>
Immunogen	Purified recombinant fragment of human XRCC5 expressed in E. Coli. ;
Reactive Species	Human; Mouse
Clone	MM5C5;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Breast Cancer Res. 2009;11(6):R83. ; 2. Biochem Biophys Res Commun. 2009 Dec 18;390(3):738-42.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**