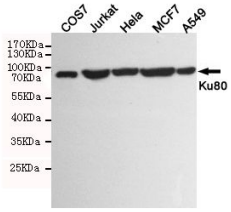
Ku80

Mouse monoclonal Antibody

#53612

Catalog Number: 53612
Amount: 100μg/100μl
Swiss-Prot No. :P13010
Gene name:xrcc5
Gene id:7520
Clone Number： 8H1-C3-G10
Form of Antibody: Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%,glycerol
Storage/Stability: Store at -20℃/1 year
Immunogen: Purified recombinant human Ku80 protein fragments expressed in E.coli
Purification: affinity-chromatography
Specificity/Sensitivity: This antibody detects endogenous levels of Ku80 and does not corss-react with related proteins
Reactivity: Human,Monkey
Applications: Predicted MW: 86kd WB: 1:1000 ICC:1:400



Western blot detection of Ku80 in COS7,Jurkat,Hela,MCF7 and A549 cell lysates using Ku80 mouse mAb (1:1000diluted). Predicted band size:86KDa. Observed band size:86KDa.

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.