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# **Recombinant Ku80 Monoclonal Antibody**

catalog number: AN301584L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### Description

Reactivity Mouse

Immunogen Recombinant human Ku80 fragment

 Host
 Rabbit

 Isotype
 IgG, κ

 Clone
 A283

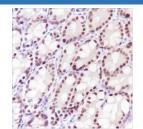
Purification Protein Apurified

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

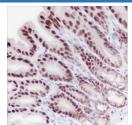
Applications Recommended Dilution

IHC 1:200-1:1000

#### Data



Immunohistochemistry of paraffin-embedded Mouse colon using Ku80 Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Mouse stomach using Ku80 Monoclonal Antibody at dilution of 1:1000.

## **Preparation & Storage**

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

## **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.

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