

A0884

Leader in Biomolecular Solutions for Life Science



## Ku80 Rabbit pAb

Catalog No.: A0884

### Basic Information

#### Observed MW

83kDa

#### Calculated MW

83kDa

#### Category

Polyclonal Antibody

#### Applications

WB, IF/ICC, IP

#### Cross-Reactivity

Human

### 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.

### Recommended Dilutions

WB	1:500 - 1:2000
IF/ICC	1:20 - 1:50
IP	1:20 - 1:50

### Immunogen Information

Gene ID	Swiss Prot
7520	P13010

#### Immunogen

Recombinant protein of human Ku80

#### Synonyms

KU80; KUB2; Ku86; NFIV; KARP1; KARP-1; Ku80

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

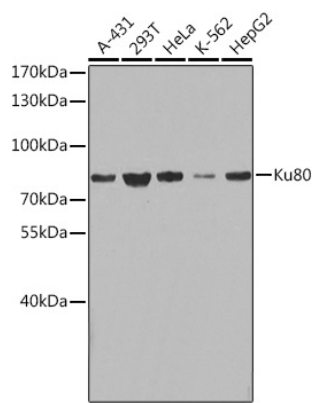
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using Ku80 antibody (A0884).  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.