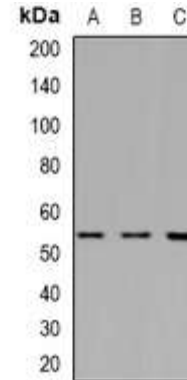


Anti-Ku70 Antibody

| | |
|----------------------------|--|
| CATALOG NO: | A1210-100 |
| ALTERNATIVE NAMES: | G22P1; X-ray repair cross-complementing protein 6; 5'-deoxyribose-5-phosphate lyase Ku70; 5'-dRP lyase Ku70; 70 kDa subunit of Ku antigen; ATP-dependent DNA helicase 2 subunit 1; ATP-dependent DNA helicase II 70 kDa subunit; CTC box-binding factor 75 kDa subunit; CTC75; CTCBF; DNA repair protein XRCC6; Lupus Ku autoantigen protein p70; Ku70; Thyroid-lupus autoantigen; TLAA; X-ray repair complementing defective repair in Chinese hamster cells 6 |
| AMOUNT: | 100 µl |
| IMMUNOGEN: | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Ku70 |
| HOST/ISOTYPE: | Rabbit IgG |
| CLONALITY: | Polyclonal |
| SPECIFICITY: | Recognizes endogenous levels of Ku70 protein |
| SPECIES REACTIVITY: | Human, Mouse and Rat |
| PURIFICATION: | The antibody was purified by affinity chromatography |
| FORM: | Liquid |
| FORMULATION: | Supplied in 0.42% Potassium phosphate; 0.87% Sodium chloride; pH 7.3; 30% glycerol and 0.01% sodium azide |
| STORAGE CONDITIONS: | Shipped at 4°C. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles |
| DESCRIPTION: | Single-stranded DNA-dependent ATP-dependent helicase. Has a role in chromosome translocation. The DNA helicase II complex binds preferentially to fork-like ends of double-stranded DNA in a cell cycle-dependent manner. It works in the 3'-5' direction. Binding to DNA may be mediated by XRCC6. Involved in DNA non-homologous end joining (NHEJ) required for double-strand break repair and V(D)J recombination. The XRCC5/6 dimer acts as regulatory subunit of the DNA-dependent protein kinase complex DNA-PK by increasing the affinity of the catalytic subunit PRKDC to DNA by 100-fold. The XRCC5/6 dimer is probably involved in stabilizing broken DNA ends and bringing them together. |
| APPLICATION: | WB; 1:500 – 1:2000 |

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Western blot analysis of Ku70 (AcK338) expression in HeLa (A); NIH3T3 (B); PC12 (C) whole cell lysates

RELATED PRODUCTS:

- PPAR gamma Antibody (Cat. No. 3809-100)
- DNMT1 Antibody (Cat. No. 3946-100)
- KLF4 Antibody (4G6E11) (Cat. No. 5300-100)
- NIF1 Antibody (Cat. No. 3737-100)

FOR RESEARCH USE ONLY! Not to be used on humans.