

# Product Data Sheet

## Ku70 Blocking Peptide

| Catalog #                 | Source   | Reactivity | Applications |
|---------------------------|--|------------|--------------|
| CBP3224                   | Synthetic  | H, Mk      | BL           |
| <b>Description</b>        | The peptide is used to block Anti-Ku70 Antibody (#CPA3224) reactivity.   |            |              |
| <b>Form</b>               | Lyophilized powder   |            |              |
| <b>Gene Symbol</b>        | XRCC6  |            |              |
| <b>Alternative Names</b>  | 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 |            |              |
| <b>Entrez Gene</b>        | 2547 (Human)   |            |              |
| <b>SwissProt</b>          | P12956 (Human)   |            |              |
| <b>Purity</b>             | >85%   |            |              |
| <b>Quality Control</b>    | The quality of the peptide was evaluated by reversed-phase HPLC and by mass spectrometry.  |            |              |
| <b>Directions for Use</b> | Blocking Peptide to the diluted primary antibody in a molar ratio of 10:1 (peptide to antibody) and incubate the mixture at 4°C for overnight or at room temperature for 2 hours.  |            |              |
| <b>Storage/Stability</b>  | Shipped at 4°C. Store at -20°C for one year.   |            |              |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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