

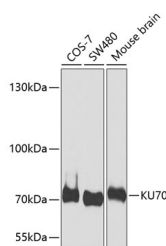
## KU70 Polyclonal Antibody

**Catalog No.** E-AB-61650  
**Storage** Store at -20°C. Avoid freeze / thaw cycles.  
**Applications** WB,IHC,IF

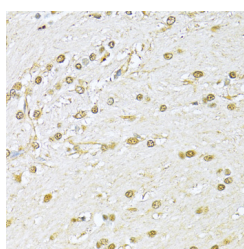
**Reactivity** H,M,R  
**Host** Rabbit  
**Isotype** IgG

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

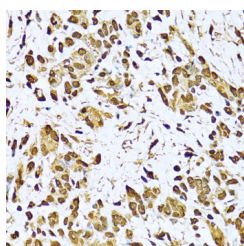
### Images



Western blot analysis of extracts of various cell lines using KU70 Polyclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Rat brain using KU70 Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Human gastric cancer using KU70 Polyclonal Antibody at dilution of 1:100 (40x lens).

### Immunogen Information

**Immunogen** Recombinant fusion protein of human KU70 (NP\_001460.1).  
**GeneID** 2547  
**Swissprot** P12956  
**Synonyms** XRCC6,CTC75,CTCBF,G22P1,KU70,ML8,TLAA

### Product Information

**Calculated MW** 65kDa/69kDa  
**Observed MW** 70kDa  
**Buffer** PBS with 0.02% sodium azide, 50% glycerol, pH7.3.  
**Purify** Affinity purification  
**Dilution** WB 1:500-1:2000 IHC 1:50-1:100 IF 1:50-1:100

### Background

The p70/p80 autoantigen is a nuclear complex consisting of two subunits with molecular masses of approximately 70 and 80 kDa. The complex functions as a single-stranded DNA-dependent ATP-dependent helicase. The complex may be involved in the repair of nonhomologous DNA ends such as that required for double-strand break repair, transposition, and V(D)J recombination. High levels of autoantibodies to p70 and p80 have been found in some patients with systemic lupus erythematosus.

### For Research Use Only

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Applications: WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.