# **Elabscience**®

### **KU70** Polyclonal Antibody

#### catalog number: E-AB-61650

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

Description	
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant fusion protein of human KU70 (NP_001460.1).
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.
Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:50-1:100
IF	1:50-1:100

#### Data





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

#### **Observed-MW:70 kDa** Calculated-MW:65 kDa/69 kDa



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



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



lens)



#### For Research Use Only

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Immunofluorescence analysis of A549 cells using KU70 Polyclonal Antibody Confocal immunofluorescence analysis of U2OS cells using KU70 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

Preparation & Storage	
Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the
	temperature recommended.

#### 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.