

Product name:	KU70
Cat number:	AB-82007
Size:	100µg
Clone:	POLY
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 500-600 of human KU70.
Reactivity:	Hu,Ms,Rt
Applications:	Western Blot: 1:500 -1:2000 Immunohistochemistry: 1:50 -1:200 Immunofluorescence: 1:50 - 1:200
Molecular Weight:	70kDa
Purification:	Aff. Pur.
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles
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 singles-tranded 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.



Western blot analysis of extracts of various cell lines, using KU70 antibody at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 60s.



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



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



Immunofluorescence analysis of HeLa cells using KU70 antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.