

<b>Cat. No:</b>	AB-82007
<b>Size:</b>	100µg
<b>Clone:</b>	POLY
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Rb
<b>Isotype:</b>	IgG
<b>Immunogen:</b>	A synthetic peptide corresponding to a sequence within amino acids 500-600 of human KU70.
<b>Reactivity:</b>	Hu,Ms,Rt
<b>Applications:</b>	Western Blot: 1:500 -1:2000 Immunohistochemistry: 1:50 -1:200 Immunofluorescence: 1:50 - 1:200
<b>Molecular Weight:</b>	70kDa
<b>Purification:</b>	Aff. Pur.
<b>Synonyms:</b>	XRCC6; CTC75; CTCBF; G22P1; KU70; ML8; TLAA; X -ray repair cross complementing 6
<b>Background:</b>	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.
<b>Form:</b>	Liquid
<b>Buffer:</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
<b>Storage:</b>	Store at -20°C. Avoid freeze / thaw cycles



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: 25µg 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.

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