



# Ku-70 (Acetyl Lys542) rabbit pAb

Cat No.:ES1108

For research use only

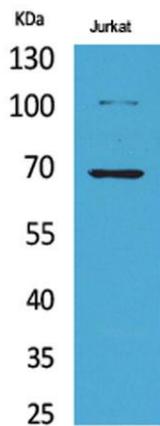
## Overview

<b>Product Name</b>	Ku-70 (Acetyl Lys542) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	Synthesized acetyl-peptide derived from the human Ku-70 around the acetylation site of K542.
<b>Specificity</b>	Acetyl-Ku-70 (K542) Polyclonal Antibody detects endogenous levels of Ku-70 protein only when acetylated at K542.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	X-ray repair cross-complementing protein 6
<b>Gene Name</b>	XRCC6
<b>Cellular localization</b>	Nucleus . Chromosome .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	100,70kD
<b>Human Gene ID</b>	2547
<b>Human Swiss-Prot Number</b>	P12956
<b>Alternative Names</b>	XRCC6; 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 7
<b>Background</b>	The p70/p80 autoantigen is a nuclear complex consisting of two subunits with molecular masses of

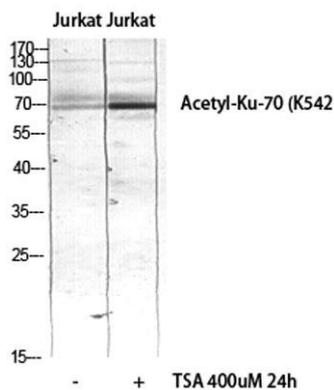




approximately 70 and 80 kDa. The complex functions as a single-stranded DNA-dependent ATP-dependent helicase. The complex may be involved in the repair of nonhomologous DNA ends such as that required for double-strand break repair, transposition, and V(D)J recombination. High levels of autoantibodies to p70 and p80 have been found in some patients with systemic lupus erythematosus. [provided by RefSeq, Jul 2008],

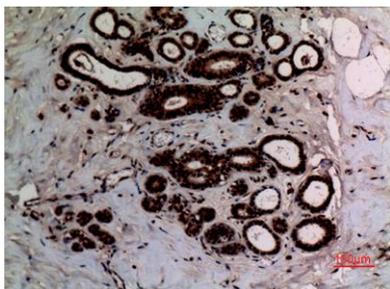


Western Blot analysis of Jurkat cells using Acetyl-Ku-70 (K542) Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of JK lysis using Acetyl-Ku-70 (K542) antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

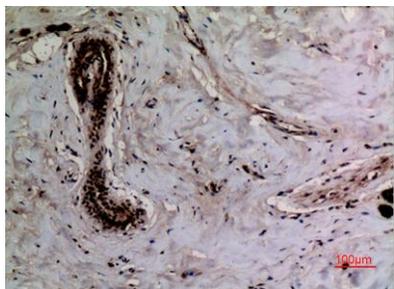
Immunohistochemical analysis of paraffin-embedded human-breast, antibody was diluted at 1:100





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Immunohistochemical analysis of paraffin-embedded human-breast, antibody was diluted at 1:100



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