

Ku-70 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP04890
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human Ku70 around the non-acetylation site of Lys539. AA range:501-550
Mol wt	69843
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	Ku-70 Antibody
Synonyms	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

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

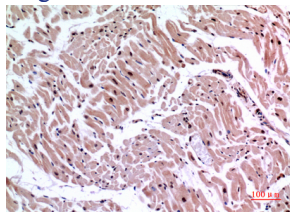
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

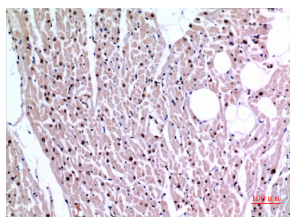
ELISA: 1: 20000

Not yet tested in other applications.

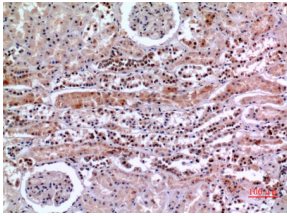
Images



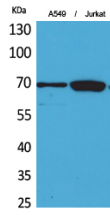
Immunohistochemical analysis of paraffin-embedded human-heart, antibody was diluted at 1:100



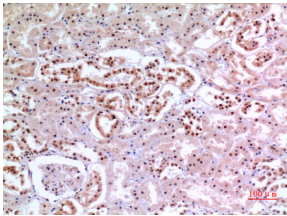
Immunohistochemical analysis of paraffin-embedded human-heart, antibody was diluted at 1:100



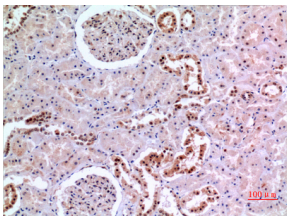
Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:100



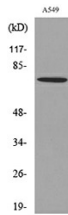
Western Blot analysis of A549, Jurkat cells using Ku-70 Polyclonal Antibody. Secondary antibody was diluted at 1:20000



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



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



Western blot analysis of extracts from A549 cells, using Ku70 (Ab-539) Antibody.

Storage

-20°C for one year

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