

ARG64246 anti-Ku 70 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Ku 70
Tested Reactivity	Hu
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Ku 70
Species	Human
Immunogen	YKTEGDEEAEEEEQ-C
Conjugation	Un-conjugated
Alternate Names	DNA repair protein XRCC6; Thyroid-lupus autoantigen; Lupus Ku autoantigen protein p70; EC 4.2.99.-; EC 3.6.4.-; ATP-dependent DNA helicase II 70 kDa subunit; X-ray repair complementing defective repair in Chinese hamster cells 6; CTC box-binding factor 75 kDa subunit; 70 kDa subunit of Ku antigen; CTC75; 5'-deoxyribose-5-phosphate lyase Ku70; KU70; TLAA; 5'-dRP lyase Ku70; CTCBF; ML8; G22P1; X-ray repair cross-complementing protein 6; ATP-dependent DNA helicase 2 subunit 1; Ku70

Application Instructions

Application table	Application	Dilution
	WB	0.1 - 0.3 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 2547 Human](#)

[Swiss-port # P12956 Human](#)

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. [provided by RefSeq, Jul 2008]

Research Area

Cancer antibody; Gene Regulation antibody

Calculated Mw

70 kDa

PTM

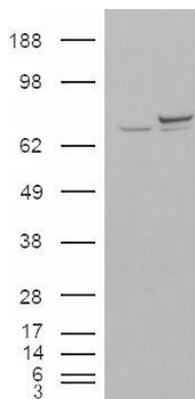
Phosphorylation by PRKDC may enhance helicase activity. Phosphorylation of Ser-51 does not affect DNA repair.

Images



ARG64246 anti-Ku 70 antibody WB image

Western blot: HeLa cell lysate (35 µg protein in RIPA buffer) stained with ARG64246 anti-Ku 70 antibody at 0.1 µg/ml dilution.



ARG64246 anti-Ku 70 antibody WB image

Western blot: 1). Mock transfection; 2) KU70 (RC204048) expressing plasmid transfected HEK293 cell lysate stained with ARG64246 anti-Ku 70 antibody.