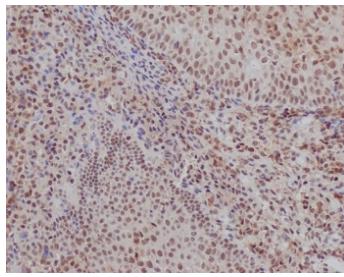


Ku70 Antibody / XRCC6 [clone AAIG-24] (RQ5398)

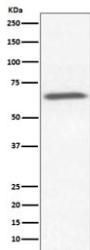
Catalog No.	Formulation	Size
RQ5398	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

Availability	1-2 weeks
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	AAIG-24
Purity	Affinity purified
UniProt	P12956
Localization	Nuclear
Applications	Western Blot : 1:500-1:2000 Immunohistochemistry (FFPE) : 1:50-1:200
Limitations	This Ku70 antibody is available for research use only.



IHC staining of FFPE human tonsil tissue with Ku70 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



Western blot testing of human HeLa cell lysate with Ku70 antibody. Predicted molecular weight ~70 kDa.

Description

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. [RefSeq]

Application Notes

Optimal dilution of the Ku70 antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human Ku70 / XRCC6 was used as the immunogen for the Ku70 antibody.

Storage

Store the Ku70 antibody at -20oC.