


Product datasheet

Anti-Ku70 + Ku80 antibody ab53126

4 References 2 Images

Overview

Product name	Anti-Ku70 + Ku80 antibody
Description	Rabbit polyclonal to Ku70 + Ku80
Host species	Rabbit
Specificity	ab53126 detects endogenous levels of total Ku70 + Ku80 proteins.
Tested applications	Suitable for: WB, IHC-P, ELISA
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	A synthetic peptide derived from human Ku70 + Ku80.
Positive control	LoVo cell extracts and human breast carcinoma tissue.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol, 0.87% Sodium chloride, PBS
	Without Mg+2 and Ca+2
Purity	Immunogen affinity purified
Purification notes	ab53126 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab53126** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		
IHC-P		
ELISA		

Application notes

ELISA: 1/20000.
IHC-P: 1/50 - 1/100.
WB: 1/300 - 1/1000. Detects bands of approximately 70 and 83 kDa (predicted molecular weight: 70 and 83 kDa).

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

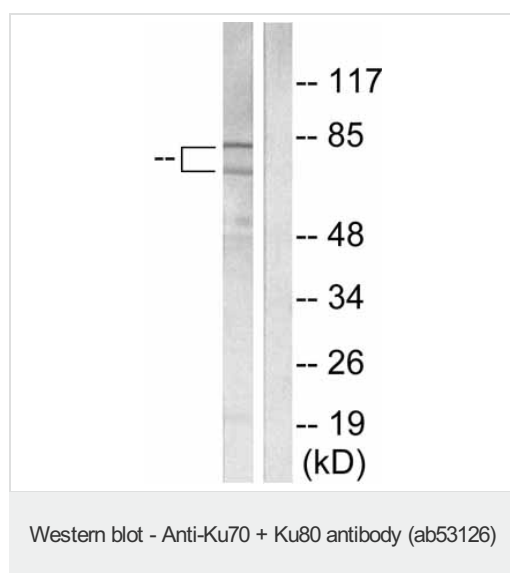
Target

Relevance

The Ku autoantigen is a heterodimer of 70kDa (p70) and 80kDa (p80) proteins. The p70 / p80 dimer is important for function of a 460kDa DNA-dependent protein kinase that phosphorylates certain transcription factors, including Sp1, Oct-1, p53, and SV40 large T antigen in vitro. The Ku protein plays a role in cell signaling, proliferation, DNA repair, replication, transcriptional activation, and apoptosis.

Cellular localization Nuclear

Images

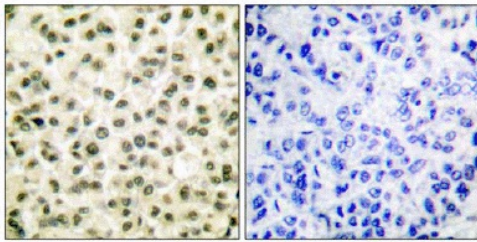


All lanes : Anti-Ku70 + Ku80 antibody (ab53126) at 1/300 dilution

Lane 1 : LoVo cell extract

Lane 2 : LoVo cell extract with immunising peptide

Predicted band size: 70 , 83 kDa



Peptide - +

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ku70 + Ku80 antibody (ab53126)

ab53126 at 1/50 dilution staining Ku70 + Ku80 in human breast carcinoma by Immunohistochemistry, Paraffin embedded tissue in the absence and presence of the immunising peptide.

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