

Ku80 Ab

Cat.#: AF0200 Size: 100ul,200ul	Concn.: 1mg/ml Source: Rabbit	Mol.Wt.: 70kDa,82kDa Clonality: Polyclonal
Application:	WB: 1:500~1:3000 IHC: 1:50~1:200 IF/ICC: 1:100~1:500	
Reactivity:	Human, Monkey	
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).	
Specificity:	Ku80 Ab detects endogenous levels of total Ku80.	
Immunogen:	A synthesized peptide derived from human Ku80.	
Uniprot:	P13010	
Description:	Ku80 the 80-kilodalton subunit known as ATP-dependant DNA f DNA-dependent ATP-dependent together with the DNA ligase IV of DNA double-strand break by and the completion of V(D)J rec	nelicase II. A single stranded helicase. It functions -XRCC4 complex in the repair non-homologous end joining
Subcellular Location:	Nucleus. Chromosome.	
Tissue Specificity:	Expression increases during pro	myelocyte differentiation.
Similarity:	The EEXXXDDL motif is required for the interaction with catalytic subunit PRKDC and its recruitment to sites of DNA damage.Belongs to the ku80 family.	
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.	



Western blot analysis on COS7 cell lysate using Ku80 Ab. The lane on the left is treated with the antigen-specific peptide.



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AF0200 at 1/100 staining human colon carcinoma tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF0200 staining COS7 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.



AF0200 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab(Cat.# S0006), diluted at 1/600, was used as secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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