

<b>Cat. No:</b>	AB-11718
<b>Conjugate:</b>	Unconjugated
<b>Size:</b>	100 ug
<b>Clone:</b>	POLY
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Rb
<b>Isotype:</b>	IgG
<b>Immunogen:</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 543-732 of human KU86
<b>Reactivity:</b>	Hu, Ms, Rt
<b>Applications:</b>	Western Blot: 1:500 -1:2000 Immunohistochemistry: 1:100 -1:200 Immunofluorescence: 1:20 -1:100 Immunoprecipitation: 1:50 - 1:200
<b>Molecular Weight:</b>	86kDa
<b>Purification:</b>	Purified
<b>Synonyms:</b>	KU86; KARP-1; KARP1; KU80; KUB2; Ku86; NFIV;X-ray repair cross complementing 5
<b>Background:</b>	The protein encoded by this gene is the 80-kilodalton subunit of the Ku heterodimer protein which is also known as ATP-dependant DNA helicase II or DNA repair protein KU86. Ku is the DNA-binding component of the DNA-dependent protein kinase, and it functions together with the DNA ligase IV-XRCC4 complex in the repair of DNA doublestrand break by non-homologous end joining and the completion of V(D)J recombination events. This gene functionally complements Chinese hamster xrs-6, a mutant defective in DNA double-strand break repair and in ability to undergo V(D)J recombination. A rare microsatellite polymorphism in this gene is associated with cancer in patients of varying radiosensitivity.
<b>Form:</b>	Liquid
<b>Buffer:</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
<b>Storage:</b>	Store at -20°C. Avoid freeze / thaw cycles



Western blot analysis of extracts of various cell lines, using KU86 antibody at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL West Pico Plus.  
Exposure time: 60s.



Immunohistochemistry of paraffin-embedded human breast cancer using KU86 Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human gastric cancer using KU86 Antibody at dilution of 1:100 (40x lens).

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