

Ku80, Rabbit Monoclonal Antibody

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Catalog Number: A13966

Store at -20°C

Clonality: Monoclonal
Volume: 100 µL

Host/Class: Rabbit IgG
Reactivity: Human Ku80
Predicted Reactivity: Human, Monkey

Product Description

Ku is a heterodimeric protein composed of two subunits (Ku70 and Ku80). Ku is an abundant, ubiquitously expressed nuclear protein that binds to and stabilizes the ends of DNA at telomeres or double-stranded DNA breaks. The Ku70/Ku80 heterodimer has ATP-dependent DNA helicase activity and functions as the DNA-binding regulatory component of DNA-dependent protein kinase (DNA-PK). The combined activities of Ku70/Ku80 and DNA-PK implicate Ku in many cellular functions, including cell-cycle regulation, DNA replication and repair, telomere maintenance, recombination and transcriptional activation.

Product Specifications

Immunogen: Synthetic peptide corresponding to the carboxy terminus of human Ku80
Alternate Names: KU80, ATKU80
Apparent MW: 86 kDa
Gene ID: 7520
Protein Accession No.: P13010
Sequence Identity: Human
Clone/PAD: C48E7
Lot: See product label

Product Applications

Application	Species	Test Material	Concentration
Western blotting	Human	A549 cells	1:1000
Immuno fluorescence (IF-IC)	Human	HeLa cells	1:400

Additional applications for which this antibody has been used include: Immunoprecipitation (1:50), Immunohistochemistry (Paraffin) (1:800), Immunohistochemistry (Frozen) (1:800).

Storage and Handling

Store the antibody at -20°C. Do not make aliquots of the antibody.

Stability

Expires one year from date of receipt when stored as instructed.

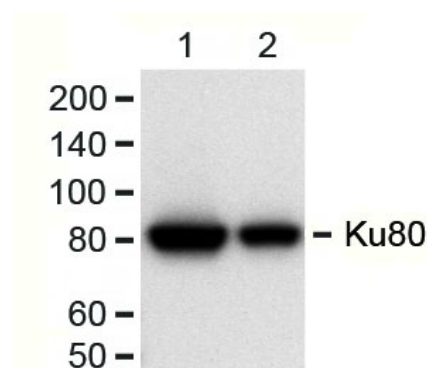


Figure 1 Western blot analysis of cell extracts from HeLa (lane 1), and A549 (lane 2) cell lines using Ku80 Rabbit Monoclonal Antibody.

For research use only. Not for human or animal therapeutic or diagnostic use.

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Storage Buffer

10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg/mL BSA, 50% glycerol and less than 0.02% sodium azide.

Safety Data Sheets (SDS)

Safety Data Sheets (SDSs) are available at www.invitrogen.com/sds.














Certificate of Analysis

The Certificate of Analysis provides detailed quality control and product qualification information for each product. Certificates of Analysis are available on our website. Go to www.invitrogen.com/support and search for the Certificate of Analysis by product lot number, which is printed on the box.

Related Products

Product Name	Quantity	Catalog No.
iBlot® Dry Blotting System	1 unit	IB1001
WesternBreeze™ Chromogenic Kit Anti-Rabbit	1 kit	WB7105
WesternBreeze™ Chemiluminescent Kit, Anti-Rabbit	1 kit	WB7106
Goat anti-mouse (H+L), HRP conj.	1 mg	G21040
Goat anti-rabbit (H+L), HRP conj.	1 mg	G21234
Goat anti-mouse (H+L), AP conj.	1 mg	G21060
Goat anti-rabbit (H+L), AP conj.	1 mg	G21079
Nitrocellulose, 0.2 µm	20/pack	LC2000

Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		<i>In vitro</i> diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

Limited Use Label License: Research Use Only

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