10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Ku80 Antibody

Catalog # AN2146

Product Information

Application	WB
Primary Accession	P13010
Host	Rabbit
Clonality	Rabbit Polyclonal
Isotype	IgG
Calculated MW	82705

Additional Information

Gene ID	7520
Other Names	XRCC5, X-ray repair cross-complementing protein 5, ATP-dependent DNA helicase 2 subunit 2, Ku86, CTC box-binding factor 85 kDa subunit, Lupus Ku autoantigen protein p86, Thyroid-lupus autoantigen, TLAA, G22P2
Dilution	WB~~1:1000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-Ku80 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

Background

Telomere length maintenance, an activity essential for chromosome stability and genome integrity, is regulated by telomerase- and telomere-associated factors. The DNA repair protein Ku (a heterodimer of Ku70 and Ku80 subunits) associates with mammalian telomeres and contributes to telomere maintenance. The Ku heterodimer functions at two kinds of DNA ends: telomeres and double-strand breaks. The role that Ku plays at these two classes of termini must be distinct, because Ku is required for accurate and efficient joining of double-strand breaks while similar DNA repair events are normally prohibited at chromosome ends

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.