Datasheet for ABIN3026515

anti-Ku70 + Ku80 antibody

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Overview

Quantity:	100 µg
Target:	Ku70 + Ku80 (KU80)
Reactivity:	Human, Primate
Host:	Mouse
Clonality:	Monoclonal
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Nuclear extract of human HL-60 cells was used as the immunogen for this Ku70 + Ku80 antibody.
Clone:	KU729
Isotype:	IgG1 kappa
No Cross-Reactivity:	Mouse (Murine), Rat (Rattus), Chicken
Characteristics:	This antibody recognizes a dimer of two proteins of 70 kDa (Ku70) and ~80 kDa (Ku80), identified as two subunits of Ku. Antbody KU729 recognizes a conformational epitope of the Ku70 + Ku80 dimer, which is destroyed during Western blotting. The Ku70 + Ku80 dimer is important for function of a 460 kDa DNA-dependent protein kinase. Ku protein plays a role in cell signaling, proliferation, DNA repair, replication, transcriptional activation, and apoptosis.
Purification:	Protein G purified monoclonal antibody

Target Details

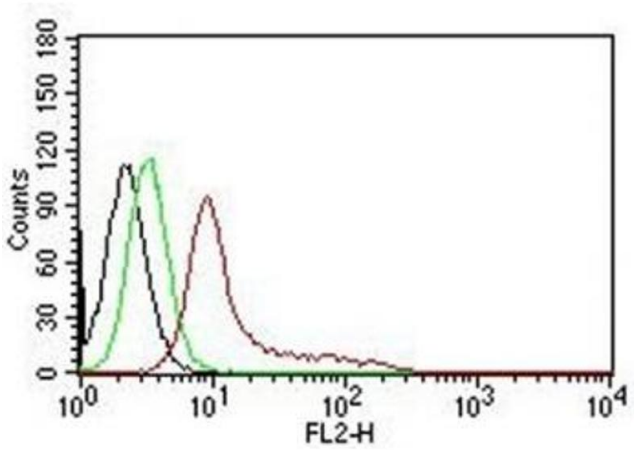
Target:	Ku70 + Ku80 (KU80)
Alternative Name:	Ku70 + Ku80 (KU80 Products)
Background:	This antibody recognizes a dimer of two proteins of 70 kDa (Ku70) and ~80 kDa (Ku80), identified as two subunits of Ku. Antbody KU729 recognizes a conformational epitope of the Ku70 + Ku80 dimer, which is destroyed during Western blotting. The Ku70 + Ku80 dimer is important for function of a 460 kDa DNA-dependent protein kinase. Ku protein plays a role in cell signaling, proliferation, DNA repair, replication, transcriptional activation, and apoptosis.
Gene ID:	2547

Application Details

Application Notes:	The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the Ku70 + Ku80 antibody to be titered up or down for optimal performance.\. Flow cytometry: 0.5-1 µg/10e6 cells,IF: 0.5-1.0 µg/mL,Immunocytochemistry (Acetone-fixed cells): 0.25-0.5 µg/mL for 30 minutes at RT
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	1 mg/mL in 1X PBS, BSA free, sodium azide free
Preservative:	Azide free
Storage:	4 °C,-20 °C
Storage Comment:	Store the Ku70 + Ku80 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



Flow Cytometry

Image 1. FACS testing of K562 cells: Black=cells alone