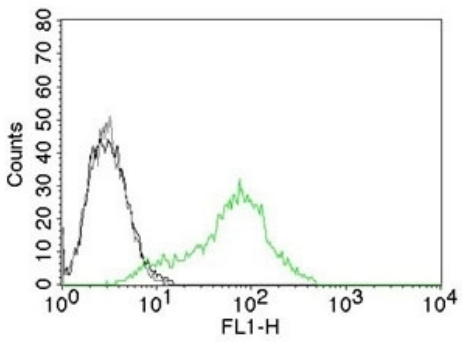
Ku70 + Ku80 Antibody [clone KU729] (V2128)

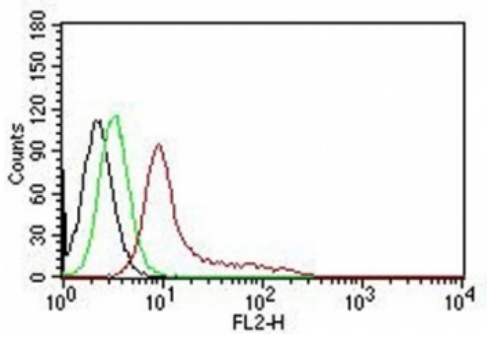
Catalog No.	Formulation	Size
V2128-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2128-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2128SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

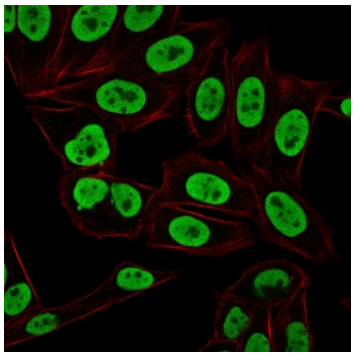
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	KU729
Purity	Protein G purified monoclonal antibody
Buffer	1X PBS, pH 7.4
Gene ID	2547
Localization	Nuclear
Applications	Flow cytometry : 1-2ug/10^6 cells Immunofluorescence/Immunocytochemistry : 1-2ug/ml for 30 min at RT
Limitations	This **Ku70 + Ku80 antibody** is available for research use only.



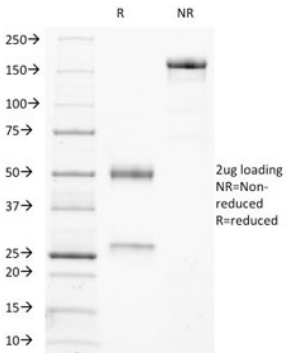
FACS testing of permeabilized human 293T cells with Ku70 + Ku80 antibody. Black=cells alone; Gray=isotype control; Green= AF488 conjugated Ku70 + Ku80 antibody.



FACS testing of permeabilized human K562 cells with Ku70 + Ku80 antibody. Black=cells alone; Green=isotype control; Red= PE conjugated Ku70 + Ku80 antibody.



Immunofluorescent staining of paraformaldehyde fixed human HeLa cells with Ku70 + Ku80 antibody (clone KU729, green) and Phalloidin cell membrane stain (red).



SDS-PAGE analysis of purified, BSA-free Ku70 + Ku80 antibody (clone KU729) as confirmation of integrity and purity.

Description

This antibody recognizes a dimer of two proteins of 70kDa (Ku70) and ~80kDa (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 460kDa DNA-dependent protein kinase. Ku protein plays a role in cell signaling, proliferation, DNA repair, replication, transcriptional activation, and apoptosis.

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.

Immunogen

Nuclear extract of human HL-60 cells was used as the immunogen for this Ku70 + Ku80 antibody.

Storage

Store the Ku70 + Ku80 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering:Phone:858.663.9055 | Fax:1.267.821.0800 | Email:info@nsjbio.com