Datasheet for ABIN6251789

anti-Ku70 + Ku80 antibody

Go to Product page

Overview

Quantity:	100 µg
Target:	Ku70 + Ku80 (KU80)
Reactivity:	Human, Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Ku70 + Ku80 antibody is un-conjugated
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
Specificity:	Does not react with mouse, rat, chicken
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),

Target Details

	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
UniProt:	Q6FG89

Application Details

Application Notes:	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 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.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.2 mg/mL
Buffer:	PBS with 0.1 mg/mL BSA and 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot and Store at -20C. Avoid freez-thaw cycles.