

Product Datasheet

Ku70/XRCC6 Antibody (KU729) - Azide and BSA Free NBP2-34663-0.1mg

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

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NBP2-34663-0.1mg

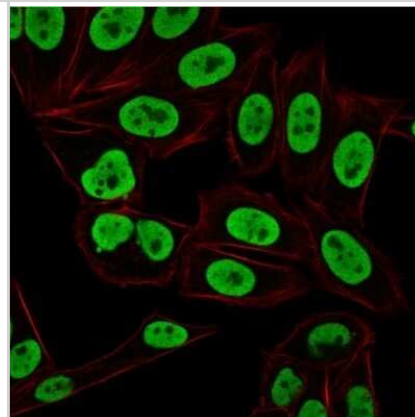
Ku70/XRCC6 Antibody (KU729) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	KU729
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	75 kDa
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-34247). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
Host	Mouse
Gene ID	2547
Gene Symbol	XRCC6
Species	Human, Primate, Chicken (Negative), Mouse (Negative), Rat (Negative)
Reactivity Notes	Does not react with Mouse, Rat and Chicken.
Marker	Nuclear Marker
Specificity/Sensitivity	Recognizes a dimer of two proteins of 70kDa and ~80kDa, identified as two subunits of Ku. This monoclonal antibody recognizes a conformational epitope of p70/p80 dimer, which is destroyed during Western blotting. The p70/p80 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.
Immunogen	Nuclear extract of human HL-60 cells
Product Application Details	
Applications	Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Flow Cytometry, Immunocytochemistry/ Immunofluorescence 0.5-1.0ug/ml, Flow (Intracellular)
Application Notes	Immunocytochemistry (Acetone-fixed cells): 1-2ug/ml for 30 minutes at RT. Optimal dilution for a specific application should be determined.

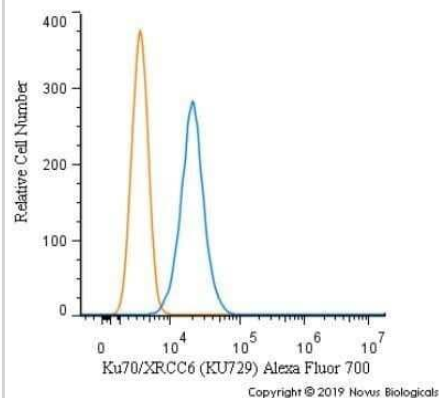


Images

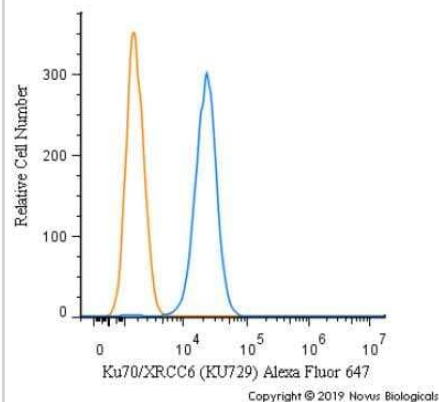
Immunocytochemistry/Immunofluorescence: Ku70/XRCC6 Antibody (KU729) - Azide and BSA Free [NBP2-34663] - Immunofluorescent staining of paraformaldehyde-fixed HeLa cells using followed by goat anti-Mouse IgG-CF488 (Green). Phalloidin (Red) is used to label cell membrane.



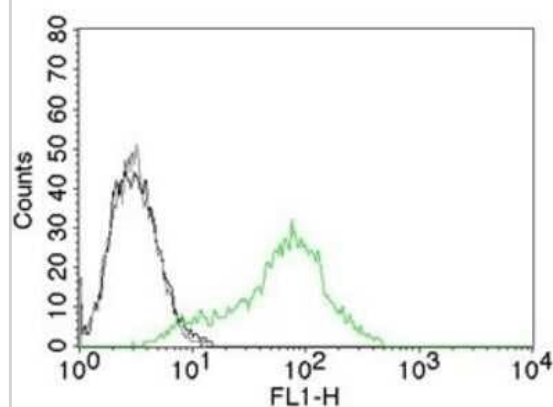
Flow (Intracellular): Ku70/XRCC6 Antibody (KU729) - Azide and BSA Free [NBP2-34663] - An intracellular stain was performed on Hek293 cells with Ku70/XRCC6 Antibody (KU729) NBP2-34663AF700 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 700. Image using the Alexa Fluor 700 format of this antibody.



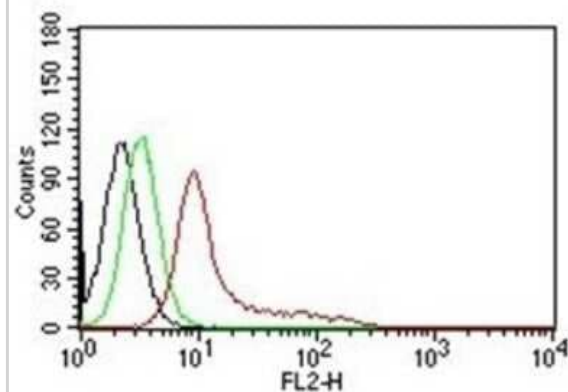
Flow (Intracellular): Ku70/XRCC6 Antibody (KU729) - Azide and BSA Free [NBP2-34663] - An intracellular stain was performed on Hek293 cells with Ku70/XRCC6 Antibody (KU729) NBP2-34663AF647 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 647.



Flow Cytometry: Ku70/XRCC6 Antibody (KU729) - Azide and BSA Free [NBP2-34663] - Flow Cytometric Analysis of human Ku (p70/p80) on 293T cells. Black: cells alone; Grey: Isotype Control; Green: AF488-labeled Ku70/XRCC6 Antibody (KU729).



Flow Cytometry: Ku70/XRCC6 Antibody (KU729) - Azide and BSA Free [NBP2-34663] - Flow Cytometry of human Ku (p70/p80) on K562 cells. Black: cells alone; Green: Isotype Control; Red: PE-labeled Ku70/XRCC6 Antibody (KU729).





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Products Related to NBP2-34663-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00002547-P02-2ug	Recombinant Human Ku70/XRCC6 GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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