

# Product Datasheet

## **Ku70/XRCC6 Antibody (KU729) [Janelia Fluor® 525] NBP2-34663JF525**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-34663JF525**

Ku70/XRCC6 Antibody (KU729) [Janelia Fluor® 525]

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	KU729
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Conjugate</b>	Janelia Fluor 525
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	50mM Sodium Borate
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	2547
<b>Gene Symbol</b>	XRCC6
<b>Species</b>	Human, Primate, Chicken (Negative), Mouse (Negative), Rat (Negative)
<b>Reactivity Notes</b>	Does not react with Mouse, Rat and Chicken.
<b>Marker</b>	Nuclear Marker
<b>Specificity/Sensitivity</b>	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.
<b>Immunogen</b>	Nuclear extract of human HL-60 cells
<b>Notes</b>	Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.
<b>Product Application Details</b>	
<b>Applications</b>	Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Flow (Intracellular)
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.





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### **Products Related to NBP2-34663JF525**

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H00002547-P02-2ug	Recombinant Human Ku70/XRCC6 GST (N-Term) Protein
NBL1-17919	Ku70/XRCC6 Overexpression Lysate
NB100-143	Nbs1 Antibody
NB110-57130	TRF-2 Antibody - BSA Free

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### **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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