

Product datasheet for **AM33315PU-S**

Ku70/80 (XRCC6/5) Mouse Monoclonal Antibody [Clone ID: KU729]

Product data:

Product Type:	Primary Antibodies
Clone Name:	KU729
Applications:	IF, IHC, IP
Recommended Dilution:	Immunofluorescence: 0.5-1 µg/ml. Immunoprecipitation: 0.5-1 µg/500 µg protein lysate. Immunocytochemistry on Acetone or Paraformaldehyde Fixed Sections: 0.25-0.5 µg/ml for 30 minutes at RT. Immunohistochemistry on Frozen and Formalin-Fixed Paraffin Sections: 0.5-1.0 µg/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. Positive Control: Human cancer K562, HL-60, HEP-2 or HeLa cells.
Reactivity:	Human, Primate
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Nuclear extract of Human HL-60 cells.
Specificity:	Recognizes a dimer of two proteins of 70kDa and ~80kDa, identified as two subunits of Ku. This Monoclonal Antibody KU729 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. Cellular Localization: Nuclear. Negative Species: Mouse, Rat and Chicken.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide



[View online »](#)

Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	70 kDa and 80 kDa
Gene Name:	X-ray repair complementing defective repair in Chinese hamster cells 6
Database Link:	Entrez Gene 2547 Human P12956
Synonyms:	TLAA, G22P2, CTCBF, CTC85