

Product Datasheet

Ku70/XRCC6 Antibody (4C2-1A6) - Azide and BSA Free H00002547-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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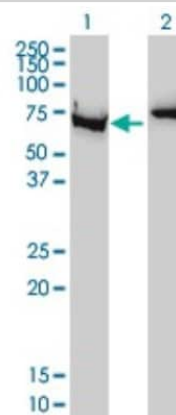
H00002547-M01

Ku70/XRCC6 Antibody (4C2-1A6) - Azide and BSA Free

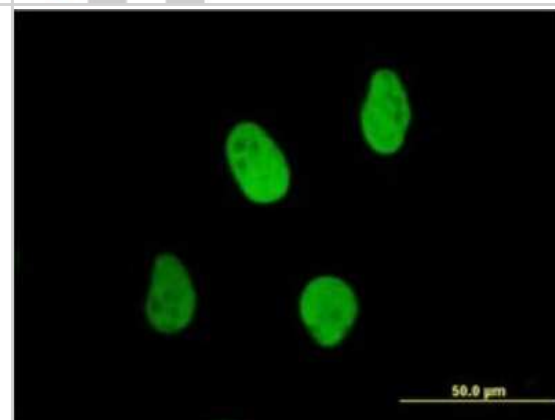
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4C2-1A6
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	2547
Gene Symbol	XRCC6
Species	Human
Specificity/Sensitivity	XRCC6 - thyroid autoantigen 70kDa (Ku antigen)
Immunogen	XRCC6 (AAH08343.1, 1 a.a. ~ 609 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MSGWESYYKTEGDEEAEQEEENLEASGDYKYSGRDSLIFLVDASKAMFESQ SEDELTPFDMSIQCIQSVYISKIISDRDLLAVVFGTEKDKNSVNFKNIIYVLQEL DNPgAKRILELDQFKGQQGQKRFQDMMGHGSDYSLSEVLWVCANLFSQVQF KMSHKRIMLFTNEDNPHGNDSAKASRARTKAGDLRDTGIFLDMHLKPKGGFD ISLFYRDIISIAEDEDLRVHFEESKLEDLLRKVRACKETRKRALSRLKLNKDIVI SVGIYNLVQKALKPPPIKLYRETNEPVKTKTRTFNTSTGGLLLPSDKRSQIYGS RQIILEKEETEELKRFDDPGLMLMGFKPLVLLKHHYLRPSLFVYPEESLVIGSS TLFSALLIKCLEKEVAALCRYTPRRNIPPYFVALVPQEEELDDQKIQVTPPGFQL VFLPFADDKRKMPFTEKIMATPEQVGKMKAIKELRFTYRSDSFENPVLQQHFR NLEALALDLMEPEQAVDLTLPKVEAMNKRLGSLVDEFKELVYPPDYNPEGKVT KRKHDNEGSGSKRPKVEYSEEELKTHISKGTLGKFTVPMLKEACRAYGLKSGL KKQELLEALTKHFQD
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Sandwich ELISA
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Sandwich ELISA
Application Notes	Antibody reactivity against recominant protein, transfected lysate and cell lysate for WB. It has been used for IF, IHC-P and ELISA.

Images

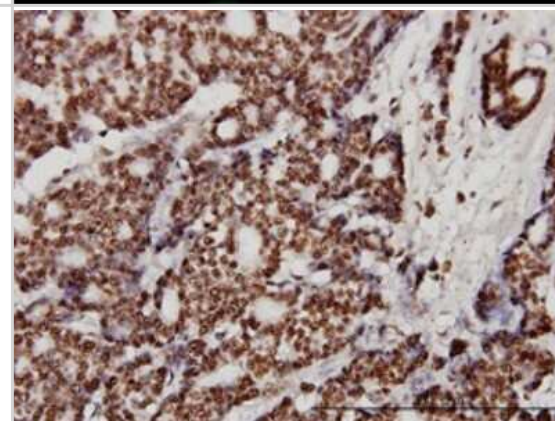
Western Blot: Ku70/XRCC6 Antibody (4C2-1A6) [H00002547-M01] - Analysis of XRCC6 expression in transfected 293T cell line by G22P1 monoclonal antibody (M01), clone 4C2-1A6. Lane 1: XRCC6 transfected lysate(70 KDa). Lane 2: Non-transfected lysate.



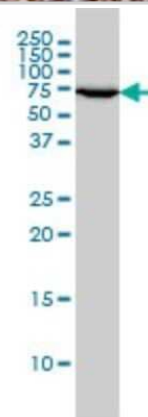
Immunocytochemistry/Immunofluorescence: Ku70/XRCC6 Antibody (4C2-1A6) [H00002547-M01] - Analysis of monoclonal antibody to XRCC6 on HeLa cell. Antibody concentration 10 ug/ml.



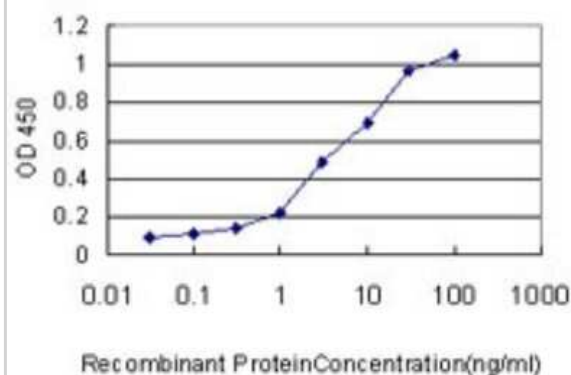
Immunohistochemistry-Paraffin: Ku70/XRCC6 Antibody (4C2-1A6) [H00002547-M01] - Analysis of monoclonal antibody to XRCC6 on formalin-fixed paraffin-embedded human breast cancer. Antibody concentration 3 ug/ml.



Western Blot: Ku70/XRCC6 Antibody (4C2-1A6) [H00002547-M01] - XRCC6 monoclonal antibody (M01), clone 4C2-1A6 Analysis of XRCC6 expression in C32.



Sandwich ELISA: Ku70/XRCC6 Antibody (4C2-1A6) [H00002547-M01] - Detection limit for recombinant GST tagged XRCC6 is approximately 0.1ng/ml as a capture antibody.



Publications

Halbert D, Domenyuk V, Spetzler D et al. Aptamers and uses thereof United States Patent Application US 9958448 B2 2018-01-01

Paulo JA Lysine-specific demethylase 2A enhances binding of various nuclear factors to CpG-rich genomic DNAs by action of its CXXC-PHD domain. *Sci Rep.* 2019-04-02 [PMID: 30940825]

Pinel B, Duchesne M, Godet J et al. Mesenchymal subtype of glioblastomas with high DNA-PKcs expression is associated with better response to radiotherapy and temozolomide. *J Neurooncol* 2017-01-10 [PMID: 28070830]

Nishii M, Nakano S, Nakamura S et al. Myonuclear breakdown in sporadic inclusion body myositis is accompanied by DNA double strand breaks. *Neuromuscul Disord.* 2011-02-23 [PMID: 21353553]

Bouchaert P, Guerif S, Debiais C et al. DNA-PKcs Expression Predicts Response to Radiotherapy in Prostate Cancer. *Int J Radiat Oncol Biol Phys.* 2012-04-10 [PMID: 22494583]





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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)
NBP2-38954PEP	Ku70/XRCC6 Recombinant Protein Antigen

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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