Datasheet for ABIN2855186

anti-XRCC6 antibody (C-Term)

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Overview

Quantity:	100 µL
Target:	XRCC6
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This XRCC6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP), Immunocytochemistry (ICC), Proximity Ligation Assay (PLA)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the C-terminus region of human Ku70. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to Ku70 (X-ray repair complementing defective repair in Chinese hamster cells 6) Ku70 antibody
Purification:	Purified by antigen-affinity chromatography.

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Target Details

Target:	XRCC6
Alternative Name:	X-ray repair cross complementing 6 (XRCC6 Products)
Background:	The p70/p80 autoantigen is a nuclear complex consisting of two subunits with molecular masses of approximately 70 and 80 kDa. The complex functions as a single-stranded DNA-dependent ATP-dependent helicase. The complex may be involved in the repair of nonhomologous DNA ends such as that required for double-strand break repair, transposition, and V(D)J recombination. High levels of autoantibodies to p70 and p80 have been found in some patients with systemic lupus erythematosus. Cellular Localization: Nucleus
Molecular Weight:	70 kDa
Gene ID:	2547
UniProt:	P12956
Pathways:	DNA Damage Repair

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. IP: 1:500-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: 293T , A431 , HeLa , HepG2
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	1XPBS (pH 7), 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C

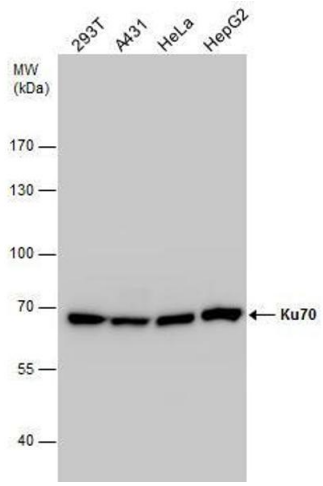
Handling

Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

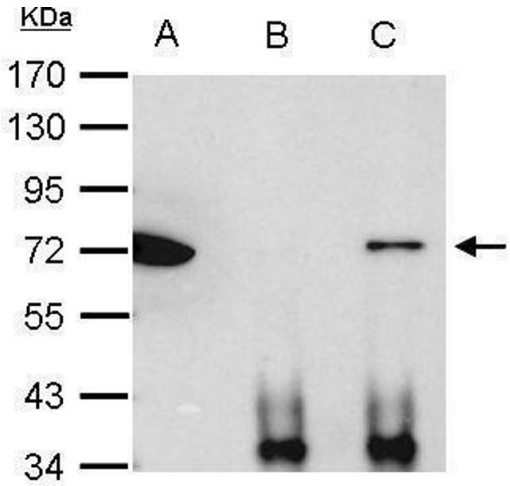
Product cited in:	Yang, Chien, Lai, Su, Jan, Hsiao, Chen: "Monoamine Oxidase B Expression Correlates with a Poor Prognosis in Colorectal Cancer Patients and Is Significantly Associated with Epithelial-to-Mesenchymal Transition-Related Gene Signatures." in: **International journal of molecular sciences**, Vol. 21, Issue 8, (2020) (PubMed).

Images



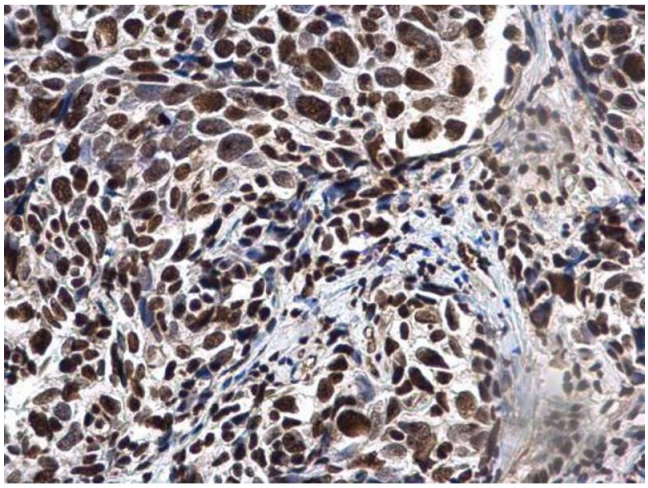
Western Blotting

Image 1. WB Image Ku70 antibody detects Ku70 protein by western blot analysis. Various whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Ku70 antibody , diluted by 1:2000.



Immunoprecipitation

Image 2. IP Image Ku70 antibody immunoprecipitates Ku70 protein in IP experiments. IP Sample: 1000 µg HeLa whole cell lysate/extract A. 40 µg HeLa whole cell lysate/extract B. Control with 2.5 µg of preimmune rabbit IgG C. Immunoprecipitation of Ku70 protein by 2.5 µg of Ku70 antibody , 7.5% SDS-PAGE The immunoprecipitated Ku70 protein was detected by Ku70 antibody , diluted at 1:1000. EasyBlot anti-rabbit IgG was used as a secondary reagent.



Immunohistochemistry

Image 3. IHC-P Image Ku70 antibody detects Ku70 protein at nucleus in human cervical cancer by immunohistochemical analysis. Sample: Paraffin-embedded human cervical cancer. Ku70 antibody , diluted at 1:500.

Please check the product details page for more images. Overall 6 images are available for ABIN2855186.

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