

Datasheet for ABIN966469
anti-XRCC6 antibody (AA 506-541)



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1 Publication

Overview

Quantity:	0.5 mL
Target:	XRCC6
Binding Specificity:	AA 506-541
Reactivity:	Human, Mouse, Monkey, Xenopus laevis, Hamster
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This XRCC6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunoprecipitation (IP), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Immunogen:	Human placental extract designated as PSE1-PL
Clone:	N3H10
Isotype:	IgG2b
Purification:	Concentrated. Purified from the ascites fluid by Protein A chromatography

Target Details

Target:	XRCC6
Alternative Name:	Ku (p70) (XRCC6 Products)
Background:	The Ku autoantigen is a heterodimer of 70kDa (p70) and ~80kDa (p80) proteins. The p70/p80

Target Details

dimer is important for function of a 460kDa DNA-dependent protein kinase that phosphorylates certain transcription factors, including Sp1, Oct-1, p53, and SV40 large T antigen in vitro. Ku protein plays a role in cell signaling, proliferation, DNA repair, replication, transcriptional activation, and apoptosis.

Also available without BSA and azide at 1mg/ml.

Molecular Weight: 70kDa

Gene ID: 2547

Pathways: [DNA Damage Repair](#)

Application Details

Application Notes: Immunofluorescence

Immunoprecipitation (Native and denatured)(Use Protein A) (Ab 2µg/mg protein lysate)

Western blotting: (0.25-0.5 µg/ml for 2hrs at RT)

Immunohistology (Formalinparaffin)(Ab 1-2g/ml for 30 minute at RT)

Staining of formalin-fixed tissues is IMPROVED by boiling tissue sections in 10mM citrate buffer, pH 6.0.

Comment: Cellular Localization: Nuclear.

Recommended Positive Control: BT474, HEP-G-2 or HeLa Cells, Tonsil

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.2 mg/mL.

Buffer: 10mM PBS, pH 7.4, with 0.2% BSA

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Publications

Product cited in: Wang, Chou, Blankson, Satoh, Knuth, Eisenberg, Pisetsky, Reeves: "Murine monoclonal

antibodies specific for conserved and non-conserved antigenic determinants of the human and murine Ku autoantigens." in: **Molecular biology reports**, Vol. 18, Issue 1, pp. 15-28, (1993) ([PubMed](#)).