antibodies - online.com







anti-Lamin B2 antibody





Overview

Quantity:	100 μL
Target:	Lamin B2 (LMNB2)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Lamin B2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human Lamin B2. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to Lamin B2 (lamin B2) Lamin B2 antibody [N3C2], Internal
Purification:	Purified by antigen-affinity chromatography.

Target Details

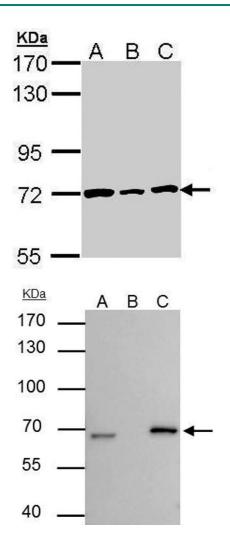
Target:	Lamin B2 (LMNB2)
Alternative Name:	lamin B2 (LMNB2 Products)

Target Details

Background:	The nuclear lamina consists of a two-dimensional matrix of proteins located next to the inner
	nuclear membrane. The lamin family of proteins make up the matrix and are highly conserved
	in evolution. During mitosis, the lamina matrix is reversibly disassembled as the lamin proteins
	are phosphorylated. Lamin proteins are thought to be involved in nuclear stability, chromatin
	structure and gene expression. Vertebrate lamins consist of two types, A and B. This gene
	encodes one of the two B type proteins, B2. This gene is in a head-to-tail orientation with the
	gene for the translocase of inner mitochondrial membrane 13 homolog gene.
	Cellular Localization: Nucleus inner membrane, Lipid-anchor, Nucleoplasmic side
Molecular Weight:	68 kDa
Gene ID:	84823
UniProt:	Q03252
Pathways:	Apoptosis, Caspase Cascade in Apoptosis
Application Details	
Application Notes:	WB: 1:500-1:40000. IHC-P: 1:100-1:1000. IP: 1:100-1:500. Optimal dilutions/concentrations
	should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: Neuro2A, GL261, C8D30, NIH-3T3, BCL-1, Raw264.7, C2C12
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1.73 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
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage

multiple freeze-thaw cycles.

(1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid

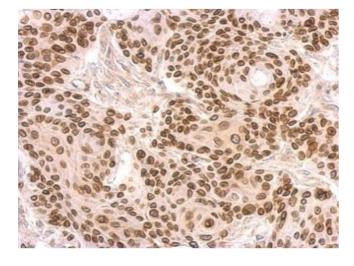


Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: H1299 B: Hela C: Hep G2 , 7.5% SDS PAGE antibody diluted at 1:1000

Immunoprecipitation

Image 2. IP Image Lamin B2 antibody [N3C2], Internal immunoprecipitates Lamin B2 protein in IP experiments. IP Sample: HepG2 whole cell lysate/extract A: 30 μg whole cell lysate/extract of Lamin B2 protein expressing HepG2 cells B: Control with 3 μg of pre-immune rabbit IgG C: Immunoprecipitation of Lamin B2 by 3 μg of Lamin B2 antibody [N3C2], Internal , 7.5% SDS-PAGE The immunoprecipitated Lamin B2 protein was detected by Lamin B2 antibody [N3C2], Internal , diluted at 1: 1000. EasyBlot anti-rabbit IgG (HRP) was used as a secondary reagent.



Immunohistochemistry

Image 3. IHC-P Image Lamin B2 antibody [N3C2], Internal detects LMNB2 protein at on Cal27 xenograft by immunohistochemical analysis. Sample: Paraffin-embedded Cal27 xenograft. Lamin B2 antibody [N3C2], Internal, dilution: 1:500.

Please check the product details page for more images. Overall 4 images are available for ABIN2856712.