



Datasheet for ABIN2856374
anti-NUP50 antibody (C-Term)



[Go to Product page](#)

4 Images

Overview

Quantity:	100 µL
Target:	NUP50
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human NUP50. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to NUP50 (nucleoporin 50 kDa) NUP50 antibody [C3], C-term
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	NUP50
Alternative Name:	nucleoporin 50 (NUP50 Products)

Target Details

Background: The nuclear pore complex is a massive structure that extends across the nuclear envelope, forming a gateway that regulates the flow of macromolecules between the nucleus and the cytoplasm. Nucleoporins are the main components of the nuclear pore complex in eukaryotic cells. The protein encoded by this gene is a member of the FG-repeat containing nucleoporins that functions as a soluble cofactor in importin-alpha:beta-mediated nuclear protein import. Pseudogenes of this gene are found on chromosomes 5, 6, and 14. Two transcript variants encoding different isoforms have been found for this gene.

Cellular Localization: Nucleus , nuclear pore complex , Nucleus membrane, Peripheral membrane protein, Nucleoplasmic side (By similarity)

Molecular Weight: 50 kDa

Gene ID: 10762

UniProt: [Q9UKX7](#)

Pathways: [Tube Formation](#)

Application Details

Application Notes: WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: mouse testis

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.79 mg/mL

Buffer: 0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

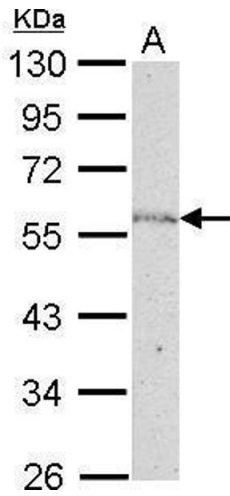
Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

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

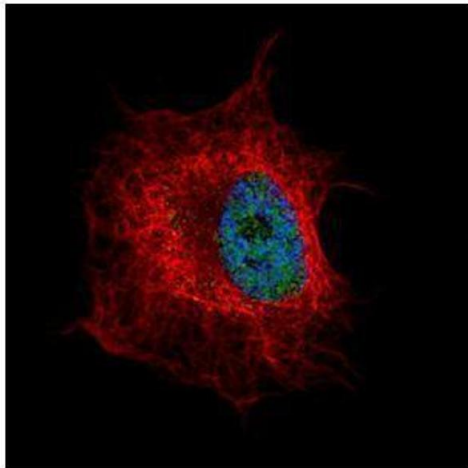
multiple freeze-thaw cycles.

Validation report #101762 for Western Blotting (WB)



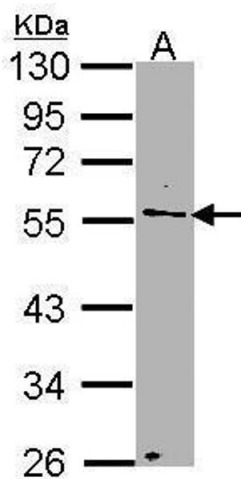
Western Blotting

Image 1. WB Image NUP50 antibody [C3], C-term detects NUP50 protein by Western blot analysis. A. 50 µg mouse testis lysate/extract 10 % SDS-PAGE NUP50 antibody [C3], C-term , dilution: 1:1000



Immunofluorescence

Image 2. ICC/IF Image Confocal immunofluorescence analysis (Olympus FV10i) of paraformaldehyde-fixed HeLa, using NUP50, antibody (Green) at 1:500 dilution. Alpha-tubulin filaments were labeled with (Red) at 1:2500.



Western Blotting

Image 3. WB Image Sample (30 ug of whole cell lysate) A: H1299 10% SDS PAGE antibody diluted at 1:1000

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2856374.