

Datasheet for ABIN7127649

Recombinant anti-NUP153 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	NUP153
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This NUP153 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthesized peptide derived from human Nup153
Clone:	8D4
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Affinity-chromatography

Target Details

Target:	NUP153
Alternative Name:	NUP153 (NUP153 Products)
Background:	Background: Component of the nuclear pore complex (NPC), a complex required for the

Target Details

trafficking across the nuclear envelope. Functions as a scaffolding element in the nuclear phase of the NPC essential for normal nucleocytoplasmic transport of proteins and mRNAs. Involved in the quality control and retention of unspliced mRNAs in the nucleus, in association with TPR, regulates the nuclear export of unspliced mRNA species bearing constitutive transport element (CTE) in a NXF1- and KHDRBS1-independent manner. Mediates TPR anchoring to the nuclear membrane at NPC. The repeat-containing domain may be involved in anchoring other components of the NPC to the pore membrane. Possible DNA-binding subunit of the nuclear pore complex (NPC).

Aliases: Nuclear pore complex protein Nup153 (153 kDa nucleoporin) (Nucleoporin Nup153), NUP153

UniProt: [P49790](#)

Pathways: [Protein targeting to Nucleus](#)

Application Details

Application Notes: Recommended dilution: IHC:1:50-1:200, IF:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

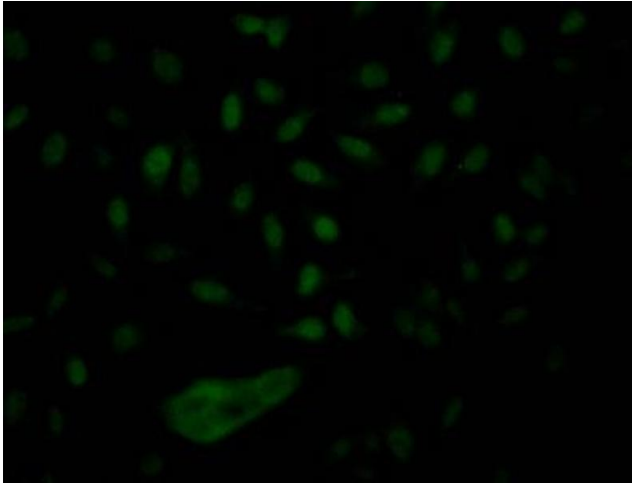
Buffer: Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

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

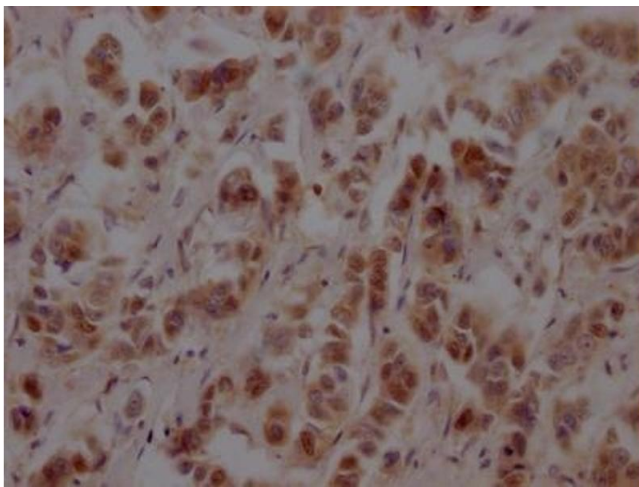
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescence staining of HeLa Cells with ABIN7127649 at 1:50, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeated by 0.2 % TritonX-100, and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



Immunohistochemistry

Image 2. IHC image of ABIN7127649 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05 % DAB.