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## Datasheet for ABIN2452063 anti-NUP62 antibody (Phenylalanine-Glycine Repeat)

4	Images
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2 Publications



#### Overview

Quantity:	200 µg
Target:	NUP62
Binding Specificity:	AA 1-179, Phenylalanine-Glycine Repeat
Reactivity:	Human, Monkey
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This NUP62 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunoprecipitation (IP), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Recombinant human Nup62 (amino acids 1-300) (GST-Nup62-His)
Clone:	2A
Isotype:	IgG1 kappa
Specificity:	Specific to human (HeLa cells) and simian (Cos cells). The antibody did not react with mouse.
Purification:	Purified from serum-free culture medium of the hybridoma by proprietary chromatography under mild conditions.
Sterility:	Sterile filtered

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## Target Details

Target:	NUP62
Alternative Name:	Nup62 (NUP62 Products)
Background:	The nuclear pore complex (NPC) regulates cargo transport between the cytoplasm and the nucleus. Nucleoporins are the main components of the NPC in eukaryotic cells. Nup (Nucleoporin) 62 (522 aa, 53 kDa) is a member of the FG-repeat containing nucleoporins and is localized to the NPC central plug. Nup62 associates with the importin alpha/beta complex which is involved in the import of proteins containing nuclear localization signals. Predicted to contain about 10 N-acetylglucosamine side chain .
UniProt:	P37198
Pathways:	EGFR Signaling Pathway, SARS-CoV-2 Protein Interactome

## **Application Details**

Application Notes:	1. Western blotting: 1/500 ~1/2,000 dilution
	2. Immunoprecipitation (assay dependent)
	3. Immunofluorescece / Immunocytochemistry: 1/400)
	4. ELISA (assay dependent)
	5. When this antibody was micro-injected into the cytoplasm of the HeLa cells, it accumulates
	into the nuclear pores as examined by immunofluorescence staining
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS (x1), 50 % glycerol. Azide and carrier free.
Preservative:	Azide free
Storage:	-20 °C
Storage Comment:	Upon arrival centrifuge briefly and store at -20 C.

### Publications

Product cited in:

Aaronson, Bottaro, Miki, Ron, Finch, Fleming, Ahn, Taylor, Rubin: "Keratinocyte growth factor. A

fibroblast growth factor family member with unusual target cell specificity." in: Annals of the

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Rubin, Osada, Finch, Taylor, Rudikoff, Aaronson: "Purification and characterization of a newly identified growth factor specific for epithelial cells." in: Proceedings of the National Academy of Sciences of the United States of America, Vol. 86, Issue 3, pp. 802-6, (1989) (PubMed).

#### Images



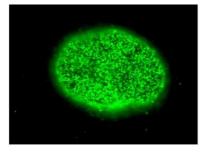


Fig.2 Immunofluorescent staining of HeLa cells with the

HeLa cells with 0.5% Triton X-100. The antibody (2A) was used at 1/400 and as a second antibody (2A) was used at 1/400 and as a second antibody. Alexa 488 conjugated goat anti-rat IgG antibody was used at 1/500 dilution.

#### Immunofluorescence

Image 1.

#### Immunofluorescence

Image 2.

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Immunofluorescence

Image 3.

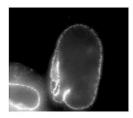


Fig.3. Immunofluorescent staining of HeLa cells with the antibody 2A, focused on nuclear rim. Methods are as described in Fig.2.

Please check the product details page for more images. Overall 4 images are available for ABIN2452063.

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