

Datasheet for ABIN2452062
anti-NUP153 antibody (AA 610-1191)

7 Images

2 Publications

[Go to Product page](#)

Overview

Quantity:	200 µg
Target:	NUP153
Binding Specificity:	AA 610-1191
Reactivity:	Rat
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This NUP153 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant GST-fused rat Nup153 (610-1191aa, Zn finger and FG repeats domain)
Clone:	R4C8
Isotype:	IgG2a kappa
Specificity:	Specific to human, mouse, rat and monkey Nup153 proteins.
Cross-Reactivity (Details):	Not tested for other species
Characteristics:	When injected into the nucleus, R4C8 accumulates into the nuclear pores of Hela cells. R4C8 works in immuno-cytochemistry very well.
Purification:	Purified
Sterility:	Sterile filtered

Target Details

Target:	NUP153
Alternative Name:	Nup153 (NUP153 Products)
Background:	The nuclear pore complex (NPC) regulates cargo transport between the cytoplasm and the nucleus. Nup (Nucleoporin) 153 is a large (153 kDa) O-linked glycoprotein which is a component of the basket structure located on the nucleoplasmic face of NPC. Nup153 plays a critical role in nuclear export of RNA and proteins. The antibody was purified from the serum-free cultured medium of the hybridoma under mild conditions by propriety chromatography processes.
UniProt:	P49790
Pathways:	Protein targeting to Nucleus

Application Details

Application Notes:	<ol style="list-style-type: none">1. Western blotting: 160 kDa single band in Hela cell extract2. Immunocytochemistry3. ELISA <p>Other applications have not been tested.</p> <p>Additional comments:</p> <p>When injected into the nucleus, R4C8 accumulates into the nuclear pores of Hela cells.</p> <p>R4C8 works in immuno-cytochemistry very well.</p>
Restrictions:	For Research Use only

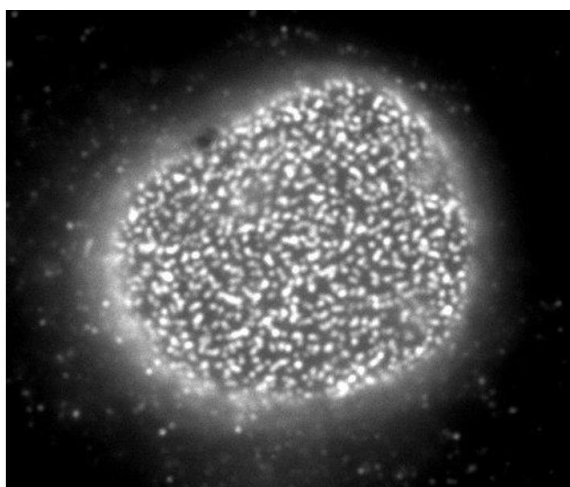
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS, 50 % glycerol
Preservative:	Azide free
Storage:	-20 °C
Storage Comment:	Upon receipt aliquot and store at -20 C

Publications

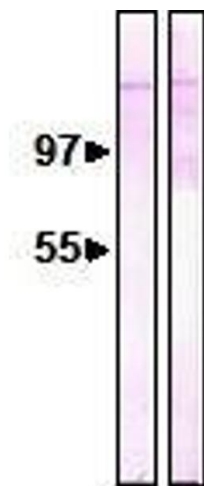
- Product cited in: Lim, Fahrenkrog, Köser, Schwarz-Herion, Deng, Aebersold: "Nanomechanical basis of selective gating by the nuclear pore complex." in: **Science (New York, N.Y.)**, Vol. 318, Issue 5850, pp. 640-3, (2007) ([PubMed](#)).
- Ullman, Shah, Powers, Forbes: "The nucleoporin nup153 plays a critical role in multiple types of nuclear export." in: **Molecular biology of the cell**, Vol. 10, Issue 3, pp. 649-64, (1999) ([PubMed](#)).

Images



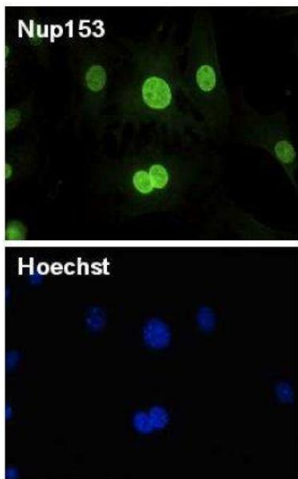
Immunofluorescence

Image 1.



Western Blotting

Image 2.



Immunofluorescence

Image 3.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN2452062.