

Datasheet for ABIN968004  
**anti-NUP62 antibody (AA 24-178)**[2 Images](#)[4 Publications](#)[Go to Product page](#)

## Overview

Quantity:	50 µg
Target:	NUP62
Binding Specificity:	AA 24-178
Reactivity:	Human, Mouse, Rat, Chicken
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NUP62 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

## Product Details

Immunogen:	Human Nucleoporin aa. 24-178
Clone:	53-Nucleoporin p62
Isotype:	IgG2b
Cross-Reactivity:	Chicken, Mouse (Murine), Rat (Rattus)
Characteristics:	<ol style="list-style-type: none"><li>1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.</li><li>2. Please refer to us for technical protocols.</li><li>3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.</li><li>4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.</li></ol>

## Product Details

Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
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## Target Details

Target:	NUP62
Alternative Name:	Nucleoporin p62 ( <a href="#">NUP62 Products</a> )
Background:	<p>The nuclear pore complex (NPC) acts as a gate to mediate active transport of proteins and RNA into and out of the nucleus. Proteins actively transported into the nucleus through the NPC require specific nuclear localization sequences. Many of these nucleoporins contain N-acetylglucosamine (GlcNAc) residues that are O-linked to serine or threonine. p62 is the best characterized member of a group of nucleoporins that line the central region of the NPC. A tightly associated complex is formed by p62 and two other nucleoporins, p54 and p58. p54 binds to a carboxy-terminal coiled-coil domain of p62 and p58 binds to a dimer of p54. The amino-terminal domain of p62 contains a series of XFXFX repeats and is joined to the coiled-coil domain by a threonine-rich linker segment. The major role of p62 is maintenance of the structural integrity of NPCs.</p>
Molecular Weight:	62 kDa
Pathways:	<a href="#">EGFR Signaling Pathway</a> , <a href="#">SARS-CoV-2 Protein Interactome</a>

## Application Details

Comment:	Related Products: ABIN968535, ABIN967389
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.
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

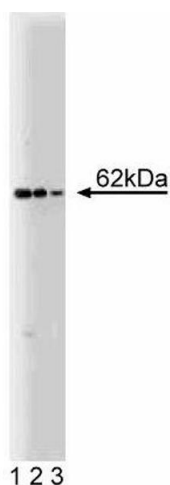
## Handling

Storage Comment: Store undiluted at -20° C.

## Publications

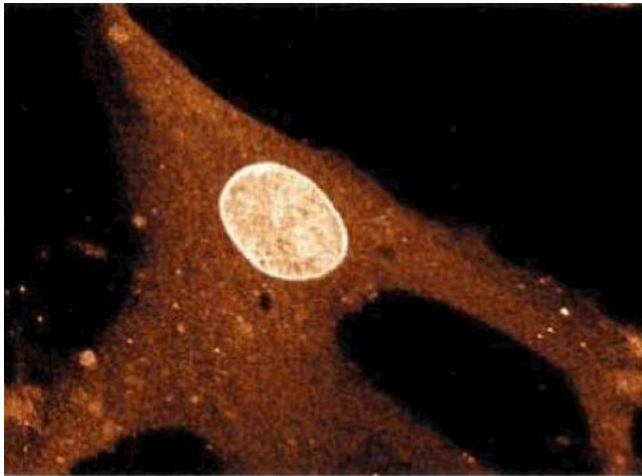
- Product cited in:
- Paroni, Henderson, Schneider, Brancolini: "Caspase-2 can trigger cytochrome C release and apoptosis from the nucleus." in: **The Journal of biological chemistry**, Vol. 277, Issue 17, pp. 15147-61, (2002) ([PubMed](#)).
- Shah, Patel, Fried, Sehgal: "Interactions of STAT3 with caveolin-1 and heat shock protein 90 in plasma membrane raft and cytosolic complexes. Preservation of cytokine signaling during fever." in: **The Journal of biological chemistry**, Vol. 277, Issue 47, pp. 45662-9, (2002) ([PubMed](#)).
- Daigle, Beaudouin, Hartnell, Imreh, Hallberg, Lippincott-Schwartz, Ellenberg: "Nuclear pore complexes form immobile networks and have a very low turnover in live mammalian cells." in: **The Journal of cell biology**, Vol. 154, Issue 1, pp. 71-84, (2001) ([PubMed](#)).
- Iborra, Jackson, Cook: "The path of RNA through nuclear pores: apparent entry from the sides into specialized pores." in: **Journal of cell science**, Vol. 113 Pt 2, pp. 291-302, (2000) ([PubMed](#)).

## Images



### Western Blotting

**Image 1.** Western blot analysis of Nucleoporin p62 on HeLa cell lysate. Lane 1: 1:1000, lane 2: 1:2000, lane 3: 1:4000 dilution of anti-Nucleoporin p62.



#### Immunofluorescence

**Image 2.** Immunofluorescent staining on WI38 cells.