

## Product datasheet

# Anti-Nucleoporin p62/NUP62 antibody [RL31] ab2736

### 2 References

#### Overview

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<b>Product name</b>	Anti-Nucleoporin p62/NUP62 antibody [RL31]
<b>Description</b>	Armenian hamster monoclonal [RL31] to Nucleoporin p62/NUP62
<b>Host species</b>	Armenian hamster
<b>Specificity</b>	Detects the Nucleoporin p62/NUP62 O-linked glycoprotein in the p62 complex from rat tissues.
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, IP, IHC-Fr, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Rat, Human, Non human primates, Amphibian
<b>Immunogen</b>	Other Immunogen Type corresponding to Nucleoporin p62/NUP62. Equivalent to O-linked glycoprotein-enriched fraction from rat liver nuclear envelope
<b>Positive control</b>	Rat liver nuclear envelope fractions.
<b>General notes</b>	This product was previously labelled as Nucleoporin p62

#### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.05% Sodium azide Constituent: PBS
<b>Purity</b>	IgG fraction
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	RL31
<b>Isotype</b>	IgG

#### Applications

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Our [Abpromise guarantee](#) covers the use of **ab2736** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/50. This antibody stains both the nucleoplasmic and cytoplasmic surfaces of rat's liver Nup62.
IP		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.
WB		1/200. Detects a band of approximately 62 kDa (predicted molecular weight: 62 kDa). This antibody detects a single 62 kDa band in rat liver nuclear envelope fractions.

## Target

### Relevance

The nuclear pore complex is a structure that extends across the nuclear envelope and regulates the flow of macromolecules between the cytoplasm and the nucleus. Nucleoporins are the main components of the nuclear pore complex in eukaryotic cells. Nup 62 is localized to the nuclear pore central plug. This protein associates with the importin alpha/beta complex which is involved in the import of proteins containing nuclear localization signals. There are multiple transcript variants of this gene, however, they encode a single protein isoform. This protein undergoes post-translational modifications. It contains about 10 N-acetylglucosamine side chain sites.

### Cellular localization

Nucleus; nuclear pore complex. Cytoplasm; cytoskeleton; spindle pole. Note: Central region of the nuclear pore, within the transporter. During mitotic cell division, it associates with the poles of the mitotic spindle.

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