

**RCN3 Antibody - C-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI15315****Specification**

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**RCN3 Antibody - C-terminal region - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">O96D15</a>
Other Accession	<a href="#">NM_020650</a> , <a href="#">NP_065701</a>
Reactivity	<b>Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog</b>
Predicted	<b>Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>35kDa KDa</b>

**RCN3 Antibody - C-terminal region - Additional Information****Gene ID** 57333

<b>Alias Symbol</b>	<b>RPL49</b>
<b>Other Names</b>	Reticulocalbin-3, EF-hand calcium-binding protein RLP49, RCN3

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-RCN3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

RCN3 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**RCN3 Antibody - C-terminal region - Protein Information****Name** RCN3 ([HGNC:21145](#))**Function**Probable molecular chaperone assisting protein biosynthesis and transport in the endoplasmic reticulum (PubMed: <http://www.uniprot.org/citations/16433634> target="\_blank">16433634</a>, PubMed: <http://www.uniprot.org/citations/28939891> target="\_blank">28939891</a>). Required for the proper biosynthesis and transport of pulmonary surfactant-associated protein A/SP-A, pulmonary surfactant-associated protein D/SP-D and the lipid transporter ABCA3 (By similarity). By regulating both the proper expression and the degradation through the endoplasmic reticulum-associated protein degradation pathway of these

proteins plays a crucial role in pulmonary surfactant homeostasis (By similarity). Has an anti-fibrotic activity by negatively regulating the secretion of type I and type III collagens (PubMed:<a href="http://www.uniprot.org/citations/28939891" target="\_blank">28939891</a>). This calcium-binding protein also transiently associates with immature PCSK6 and regulates its secretion (PubMed:<a href="http://www.uniprot.org/citations/16433634" target="\_blank">16433634</a>).

#### Cellular Location

Endoplasmic reticulum lumen

#### Tissue Location

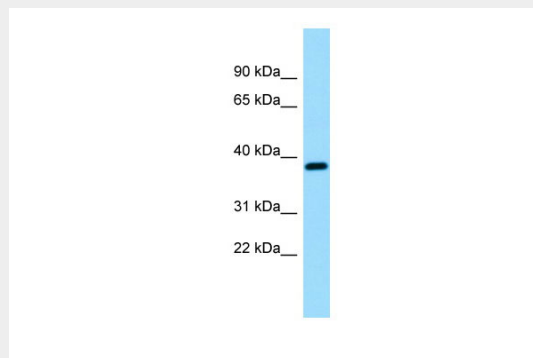
Widely expressed..

### RCN3 Antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### RCN3 Antibody - C-terminal region - Images



WB Suggested Anti-RCN3 Antibody Titration: 1.0 µg/ml  
Positive Control: Fetal Brain

### RCN3 Antibody - C-terminal region - References

Liu F.,et al.Submitted (DEC-2002) to the EMBL/GenBank/DDBJ databases.  
Hu R.-M.,et al.Proc. Natl. Acad. Sci. U.S.A. 97:9543-9548(2000).  
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).  
Chen R.,et al.J. Proteome Res. 8:651-661(2009).  
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).