

RCN3 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP5788c**Specification**

RCN3 Antibody (Center) Blocking peptide - Product Information

Primary Accession [O96D15](#)
Other Accession [NP_065701.2](#)

RCN3 Antibody (Center) Blocking peptide - Additional Information

Gene ID 57333

Other Names

Reticulocalbin-3, EF-hand calcium-binding protein RLP49, RCN3

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RCN3 Antibody (Center) Blocking peptide - Protein Information

Name RCN3 ([HGNC:21145](#))

Function

Probable molecular chaperone assisting protein biosynthesis and transport in the endoplasmic reticulum (PubMed: [16433634](http://www.uniprot.org/citations/16433634), PubMed: [28939891](http://www.uniprot.org/citations/28939891)). 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: [28939891](http://www.uniprot.org/citations/28939891)). This calcium-binding protein also transiently associates with immature PCSK6 and regulates its secretion (PubMed: [16433634](http://www.uniprot.org/citations/16433634)).

Cellular Location

Endoplasmic reticulum lumen

Tissue Location

Widely expressed..

RCN3 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

RCN3 Antibody (Center) Blocking peptide - Images**RCN3 Antibody (Center) Blocking peptide - Background**

Calcipressin 3 inhibits calcineurin dependent transcriptional responses by binding to the catalytic domain of calcineurin A, and may play a role during central nervous system development. Highest expression occurs in heart, skeletal muscle kidney, liver and peripheral blood leukocytes.

RCN3 Antibody (Center) Blocking peptide - References

Tsuji, A., et al. Biochem. J. 396(1):51-59(2006)Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)Hu, R.M., et al. Proc. Natl. Acad. Sci. U.S.A. 97(17):9543-9548(2000)