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

Specification

RCN3 Antibody (Center) Blocking peptide - Product Information

Primary Accession	Q96D15
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, PubMed: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). This calcium-binding protein also transiently associates with immature PCSK6 and regulates its secretion (PubMed:16433634).

Cellular Location
Endoplasmic reticulum lumen

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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)