

CALU Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP12308b**Specification**

CALU Antibody (C-term) Blocking peptide - Product Information

Primary Accession [O43852](#)

CALU Antibody (C-term) Blocking peptide - Additional Information

Gene ID 813

Other Names

Calumenin, Crocalbin, IEF SSP 9302, CALU

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.

CALU Antibody (C-term) Blocking peptide - Protein Information

Name CALU

Function

Involved in regulation of vitamin K-dependent carboxylation of multiple N-terminal glutamate residues. Seems to inhibit gamma- carboxylase GGCX. Binds 7 calcium ions with a low affinity (By similarity).

Cellular Location

Endoplasmic reticulum membrane. Golgi apparatus. Secreted. Melanosome. Sarcoplasmic reticulum lumen. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Tissue Location

Ubiquitously expressed. Expressed at high levels in heart, placenta and skeletal muscle, at lower levels in lung, kidney and pancreas and at very low levels in brain and liver

CALU Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

CALU Antibody (C-term) Blocking peptide - Images**CALU Antibody (C-term) Blocking peptide - Background**

The product of this gene is a calcium-binding protein localized in the endoplasmic reticulum (ER) and it is involved in such ER functions as protein folding and sorting. This protein belongs to a family of multiple EF-hand proteins (CERC) that include reticulocalbin, ERC-55, and Cab45 and the product of this gene. Alternatively spliced transcript variants encoding different isoforms have been identified.

CALU Antibody (C-term) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Carlquist, J.F., et al. J. Thromb. Thrombolysis 30(3):358-364(2010) Hernandez-Romero, D., et al. Ann. Med. 42(6):439-446(2010) Harada, T., et al. Thromb. Res. 126(3):183-190(2010) Voora, D., et al. Clin. Pharmacol. Ther. 87(4):445-451(2010)