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GGCX Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP11117c

Specification

GGCX Antibody (Center) Blocking peptide - Product Information

Primary Accession P38435

GGCX Antibody (Center) Blocking peptide - Additional Information

Gene ID 2677

Other Names
Vitamin K-dependent gamma-carboxylase, Gamma-glutamyl carboxylase, Peptidyl-glutamate 4-carboxylase, Vitamin K gamma glutamyl carboxylase, GGCX, GC

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.

GGCX Antibody (Center) Blocking peptide - Protein Information

Name GGCX

Synonyms GC

Function
Mediates the vitamin K-dependent carboxylation of glutamate residues to calcium-binding gamma-carboxyglutamate (Gla) residues with the concomitant conversion of the reduced hydroquinone form of vitamin K to vitamin K epoxide (PubMed:17073445). Catalyzes gamma-carboxylation of various proteins, such as blood coagulation factors (F2, F7, F9 and F10), osteocalcin (BGLAP) or matrix Gla protein (MGP) (PubMed:17073445).

Cellular Location
Endoplasmic reticulum membrane; Multi-pass membrane protein

GGCX Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

GGCX Antibody (Center) Blocking peptide - Images

GGCX Antibody (Center) Blocking peptide - Background

This gene encodes an enzyme which catalyzes theposttranslational modification of vitamin K-dependent protein. Manyof these vitamin K-dependent proteins are involved in coagulationso the function of the encoded enzyme is essential for hemostasis.Mutations in this gene are associated with vitamin K-dependentcoagulation defect and PXE-like disorder with multiple coagulationfactor deficiency. Multiple transcript variants encoding differentisoforms have been found for this gene.

GGCX Antibody (Center) Blocking peptide - References

Higgins-Gruber, S.L., et al. J. Biol. Chem. 285(41):31502-31508(2010)King, C.R., et al. Thromb. Haemost. 104(4):750-754(2010)Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Ikejiri, M., et al. Int. J. Hematol. 92(2):302-305(2010)Schelleman, H., et al. Br J Clin Pharmacol 70(3):393-399(2010)