

GGCX Antibody (C-Terminus)
Goat Polyclonal Antibody
Catalog # ALS16085**Specification**

GGCX Antibody (C-Terminus) - Product Information

Application	IHC, WB
Primary Accession	P38435
Reactivity	Human, Monkey
Host	Goat
Clonality	Polyclonal
Calculated MW	88kDa KDa

GGCX Antibody (C-Terminus) - Additional Information**Gene ID** 2677**Other Names**

Vitamin K-dependent gamma-carboxylase, 4.1.1.90, Gamma-glutamyl carboxylase, Peptidyl-glutamate 4-carboxylase, Vitamin K gamma glutamyl carboxylase, GGCX, GC

Target/Specificity

Human GGCX. This antibody is expected to recognize both isoforms (NP_000812.2; NP_001135741.1).

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

GGCX Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

GGCX Antibody (C-Terminus) - 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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/17073445)).

Cellular Location

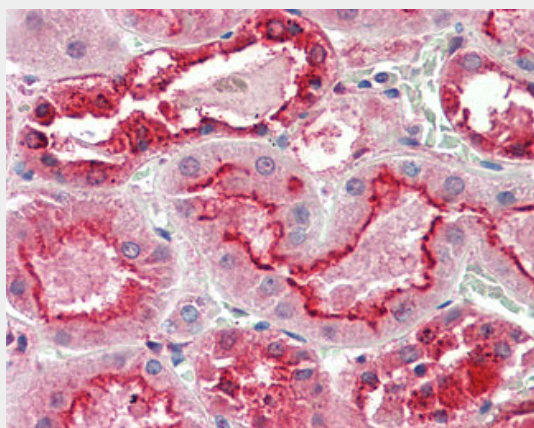
Endoplasmic reticulum membrane; Multi-pass membrane protein

GGCX Antibody (C-Terminus) - 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](#)

GGCX Antibody (C-Terminus) - Images



Anti-GGCX antibody IHC staining of human kidney.



GGCX antibody (0.3 ug/ml) staining of Human Muscle lysate (35 ug protein in RIPA buffer).

GGCX Antibody (C-Terminus) - Background

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.

GGCX Antibody (C-Terminus) - References

Wu S.-M.,et al.Science 254:1634-1636(1991).

Wu S.-M.,et al.Blood 89:4058-4062(1997).

Ying L.,et al.Submitted (MAR-1996) to the EMBL/GenBank/DDBJ databases.

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Hillier L.W.,et al.Nature 434:724-731(2005).