

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

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**GGCX Antibody (C-Terminus) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC, WB                |
| Primary Accession | <a href="#">P38435</a> |
| 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**

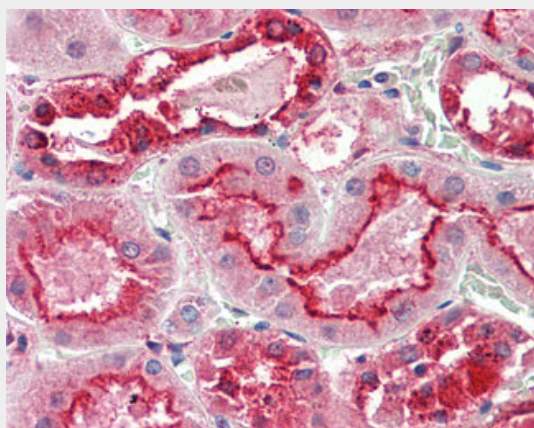
Endoplasmic reticulum membrane; Multi-pass membrane protein

### 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).