

GGCX Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF2979a**Specification**

GGCX Antibody (C-Term) - Product Information

Application	WB, IHC
Primary Accession	P38435
Other Accession	NP_000812.2 , NP_001135741.1 , 2677
Reactivity	Human
Predicted	Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	87561

GGCX Antibody (C-Term) - 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

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

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

GGCX Antibody (C-Term) - 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 (C-Term) - Protocols

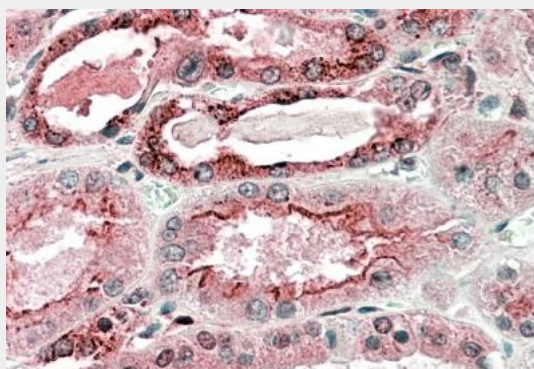
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GGCX Antibody (C-Term) - Images



AF2979a (0.3 µg/ml) staining of Human Muscle lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF2979a (5 µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

GGCX Antibody (C-Term) - Background

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

GGCX Antibody (C-Term) - References

Mutations in the GGCX and ABCC6 genes in a family with pseudoxanthoma elasticum-like phenotypes. Li Q, Grange DK, Armstrong NL, Whelan AJ, Hurley MY, Rishavy MA, Hallgren KW, Berkner KL, Schurgers LJ, Jiang Q, Uitto J, J Invest Dermatol. 2009 Mar;129(3):553-63. Epub 2008 Sep 18. PMID: 18800149