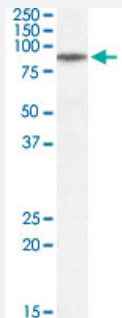


GGCX polyclonal antibody

Catalog # PAB16633 Size 100 ug

Applications



Western Blot (Tissue lysate)

GGCX polyclonal antibody (Cat # PAB16633) (0.3 ug/mL) staining of human muscle lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of GGCX.
Immunogen	A synthetic peptide corresponding to human GGCX.
Sequence	C-PPESNPDPVHSE
Host	Goat
Theoretical MW (kDa)	87.6, 81
Reactivity	Human
Specificity	This antibody is expected to recognize both isoforms (NP_000812.2; NP_001135741.1).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:32000) Western Blot (0.3-1 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

GGCX polyclonal antibody (Cat # PAB16633) (0.3 ug/mL) staining of human muscle lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — GGCX

Entrez GeneID	2677
Protein Accession#	NP_000812.2;NP_001135741.1
Gene Name	GGCX
Gene Alias	FLJ26629, VKCFD1
Gene Description	gamma-glutamyl carboxylase
Omim ID	137167 277450 610842
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an enzyme which catalyzes the posttranslational modification of vitamin K-dependent protein. Many of these vitamin K-dependent proteins are involved in coagulation so the function of the encoded enzyme is essential for hemostasis. Mutations in this gene are associated with vitamin K-dependent coagulation defect and PXE-like disorder with multiple coagulation factor deficiency. Multiple transcript variants encoding different isoforms have been found for this gene
Other Designations	vitamin K-dependent gamma-carboxylase

Publication Reference

- [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.

The Journal of Investigative Dermatology 2009 Mar; 129(3):553.

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