

## Rabbit GGCX Polyclonal Antibody | anti-GGCX antibody

GGCX antibody - middle region

| CATALOG # | HOST   | REACTIVITY                                                    | APPLICATIONS                       |
|-----------|--------|---------------------------------------------------------------|------------------------------------|
| AAA199429 | Rabbit | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep | Western Blot, Immunohistochemistry |

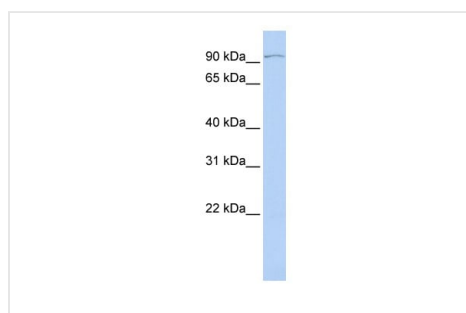
### PRODUCT SYNONYMS

GGCX; Polyclonal Antibody; GGCX antibody - middle region; anti-GGCX antibody

### PRODUCT SPECIFICATIONS

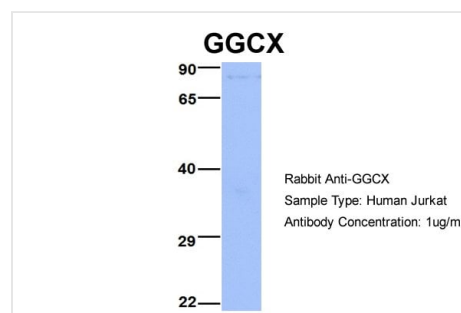
|                                                |                                                                                                                                                       |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                |
| Reactivity                                     | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep                                                                                         |
| Clonality                                      | Polyclonal                                                                                                                                            |
| Purity/Purification                            | Affinity Purified                                                                                                                                     |
| Form/Format                                    | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                       | Synthetic peptide with the following region: FL LRKLYVFRRS FLMTCSLRN LILGRPSLEQ LAQEVTYANL RPFEAVGE                                                   |
| Sequence Length                                | 758                                                                                                                                                   |
| Applicable Applications for anti-GGCX antibody | WB (Western Blot), IHC (Immunohistochemistry)                                                                                                         |
| Homology                                       | Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%                                   |
| Immunogen                                      | The immunogen is a synthetic peptide directed towards the middle region of human GGCX                                                                 |
| Preparation and Storage                        | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES



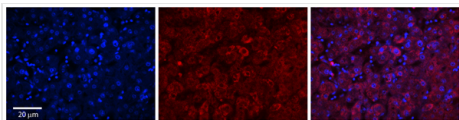
#### WB (Western Blot)

WB Suggested Anti-GGCX Antibody Titration: 0.2-1 ug/ml  
 ELISA Titer: 1:1562500  
 Positive Control: MCF7 cell lysate. GGCX is strongly supported by BioGPS gene expression data to be expressed in MCF7



#### WB (Western Blot)

Host: Rabbit  
 Target Name: GGCX  
 Sample Type: Jurkat  
 Antibody Dilution: 1.0ug/ml  
 GGCX is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells



**IHC (Immunohistochemistry)**  
 Rabbit Anti-GGCX Antibody  
 Formalin Fixed Paraffin Embedded Tissue: Human Adult Liver  
 Observed Staining: Cytoplasm in hepatocytes, strong signal, wide tissue distribution  
 Primary Antibody Concentration: 1:100  
 Secondary Antibody: Donkey anti-Rabbit-Cy3  
 Secondary Antibody Concentration: 1:200  
 Magnification: 20X  
 Exposure Time: 0.5 - 2.0 sec  
 Protocol located in Reviews and Data.

## ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-GGCX antibody</b> | <p>This is a rabbit polyclonal antibody against GGCX. It was validated on Western Blot using a cell lysate as a positive control.</p> <p><b>Target Description:</b> GGCX is 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. Gamma-glutamyl carboxylase accomplishes the posttranslational modification required for the activity of all of the vitamin K-dependent proteins (Wu et al., 1991 [PubMed 1749935]). These include some of the blood coagulation and anticoagulation proteins as well as bone gamma-carboxyglutamic acid (Gla) protein (BGLAP; MIM 112260) and bone matrix protein (MGP; MIM 154870). [supplied by OMIM]. <b>Publication Note:</b> This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p> |
| <b>Product Categories/Family for anti-GGCX antibody</b>   | <a href="#">Polyclonal</a> ; <a href="#">Membrane Protein</a> ; <a href="#">Drugs and Drug Metabolism</a> ; <a href="#">Disease Related</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## NCBI AND UNIPROT INFORMATION

|                                         |                                                 |
|-----------------------------------------|-------------------------------------------------|
| <b>NCBI GI #</b>                        | 21361163                                        |
| <b>NCBI GeneID</b>                      | 2677                                            |
| <b>NCBI Accession #</b>                 | NP_000812                                       |
| <b>NCBI GenBank Nucleotide #</b>        | NM_000821                                       |
| <b>UniProt Accession #</b>              | P38435                                          |
| <b>Molecular Weight</b>                 | 87kDa                                           |
| <b>NCBI Official Full Name</b>          | vitamin K-dependent gamma-carboxylase isoform 1 |
| <b>NCBI Official Synonym Full Names</b> | gamma-glutamyl carboxylase                      |
| <b>NCBI Official Symbol</b>             | GGCX                                            |
| <b>NCBI Official Synonym Symbols</b>    | VKCFD1                                          |
| <b>NCBI Protein Information</b>         | vitamin K-dependent gamma-carboxylase           |
| <b>UniProt Protein Name</b>             | Vitamin K-dependent gamma-carboxylase           |
| <b>UniProt Gene Name</b>                | <b>GGCX</b>                                     |
| <b>UniProt Synonym Gene Names</b>       | GC                                              |
| <b>UniProt Entry Name</b>               | VKGC_HUMAN                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.