

## Rabbit anti-Human Glucokinase regulatory Polyclonal Antibody | anti-GCKR antibody

Rabbit anti-human Glucokinase regulatory polyclonal Antibody

|                               |                       |                            |                                                    |
|-------------------------------|-----------------------|----------------------------|----------------------------------------------------|
| CATALOG #<br><b>AAA230266</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA</b> |
|-------------------------------|-----------------------|----------------------------|----------------------------------------------------|

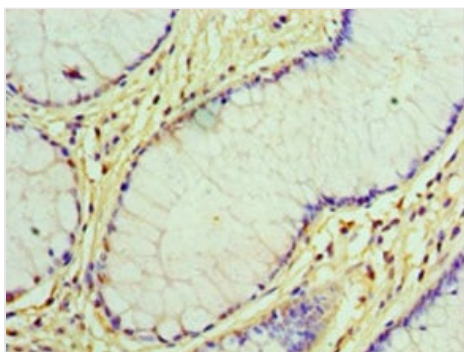
### PRODUCT SYNONYMS

Glucokinase regulatory; Polyclonal Antibody; Rabbit anti-human Glucokinase regulatory polyclonal Antibody; Glucokinase regulator; GCKR; anti-GCKR antibody

### PRODUCT SPECIFICATIONS

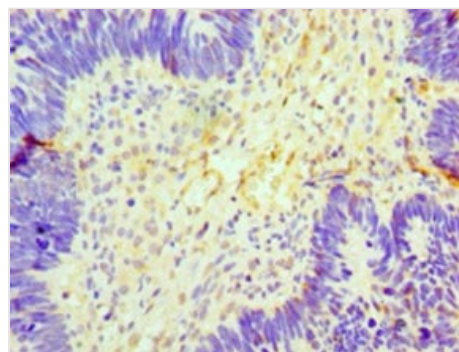
|                                                |                                                                                          |
|------------------------------------------------|------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                   |
| Reactivity                                     | Human                                                                                    |
| Clonality                                      | Polyclonal                                                                               |
| Isotype                                        | IgG                                                                                      |
| Purity/Purification                            | Caprylic Acid Ammonium Sulfate Precipitation purified                                    |
| Form/Format                                    | Liquid                                                                                   |
| Sequence Length                                | 625                                                                                      |
| Applicable Applications for anti-GCKR antibody | IHC (Immunohistochemistry), ELISA                                                        |
| Immunogen                                      | Recombinant human Glucokinase regulatory protein(1-625aa)                                |
| Conjugation                                    | Non-conjugated                                                                           |
| Storage Buffer                                 | Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4           |
| Santa Cruz Alternative                         | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-6340 / sc-11416  |
| Preparation and Storage                        | Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C. |

### IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colon cancer using AAA230266 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human ovarian cancer using AAA230266 at dilution 1:100

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-GCKR antibody | <p>Inhibits glucokinase (GCK) by forming an inactive complex with this enzyme. The affinity of GCKR for GCK is modulated by fructose metabolites: GCKR with bound fructose 6-phosphate has increased affinity for GCK, while GCKR with bound fructose 1-phosphate has strongly decreased affinity for GCK and does not inhibit GCK activity.</p> <p>This gene encodes a protein belonging to the GCKR subfamily of the SIS (Sugar ISomerase) family of proteins. The gene product is a regulatory protein that inhibits glucokinase in liver and pancreatic islet cells by binding non-covalently to form an inactive complex with the enzyme. This gene is considered a susceptibility gene candidate for a form of maturity-onset diabetes of the young (MODY).</p> |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                        |
|----------------------------------|----------------------------------------|
| NCBI GI #                        | 221625433                              |
| NCBI GeneID                      | 2646                                   |
| NCBI Accession #                 | NP_001477.2                            |
| NCBI GenBank Nucleotide #        | NM_001486.3                            |
| UniProt Accession #              | Q14397; Q53RY6; Q99522; A1L4C2; B4DPQ2 |
| Molecular Weight                 | 16,477 Da                              |
| NCBI Official Full Name          | glucokinase regulatory protein         |
| NCBI Official Synonym Full Names | glucokinase (hexokinase 4) regulator   |
| NCBI Official Symbol             | GCKR                                   |
| NCBI Official Synonym Symbols    | GKRP; FGQTL5                           |
| NCBI Protein Information         | glucokinase regulatory protein         |
| UniProt Protein Name             | Glucokinase regulatory protein         |
| UniProt Gene Name                | GCKR                                   |
| UniProt Synonym Gene Names       | GKRP; Glucokinase regulator            |
| UniProt Entry Name               | GCKR_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.

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