

Rabbit GCK Polyclonal Antibody | anti-GCK antibody

GCK Polyclonal Antibody

CATALOG # AAA167841	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, ELISA
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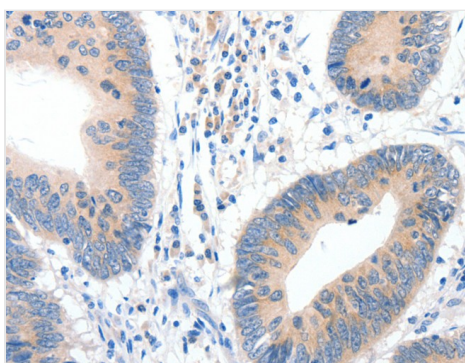
PRODUCT SYNONYMS

GCK; Polyclonal Antibody; GCK Polyclonal Antibody; GK; GLK; HK4; HHF3; HKIV; HXKP; LGLK; MODY2; FGQTL3; anti-GCK antibody

PRODUCT SPECIFICATIONS

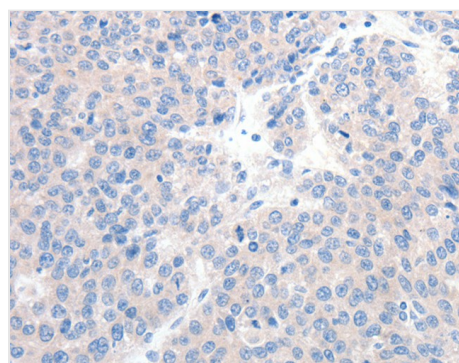
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	0.6mg/mL (varies by lot)
Sequence Length	464
Applicable Applications for anti-GCK antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Synthetic peptide of human GCK
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human colon cancer tissue using GCK Polyclonal Antibody at dilution 1:20



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human liver cancer tissue using GCK Polyclonal Antibody at dilution 1:20

ADDITIONAL INFORMATION

Related Product Information for anti-GCK antibody	Hexokinases phosphorylate glucose to produce glucose-6-phosphate, the first step in most glucose metabolism pathways. Alternative splicing of this gene results in three tissue-specific forms of glucokinase, one found in pancreatic islet beta cells and two found in liver. The protein localizes to the outer membrane of mitochondria. In contrast to other forms of hexokinase, this enzyme is not inhibited by its product glucose-6-phosphate but remains active while glucose is abundant. Mutations in this gene have been associated with non-insulin dependent diabetes mellitus (NIDDM), maturity onset diabetes of the young, type 2 (MODY2) and persistent hyperinsulinemic hypoglycemia of infancy (PHHI).
Product Categories/Family for anti-GCK antibody	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	15967161
NCBI GeneID	2645
NCBI Accession #	NP_277043.1
NCBI GenBank Nucleotide #	NM_033508.1
Molecular Weight	52,035 Da
NCBI Official Full Name	glucokinase isoform 3
NCBI Official Synonym Full Names	glucokinase (hexokinase 4)
NCBI Official Symbol	GCK
NCBI Official Synonym Symbols	GK; GLK; HK4; HHF3; HKIV; HXKP; LGLK; MODY2; FGQTL3
NCBI Protein Information	glucokinase; ATP:D-hexose 6-phosphotransferase; HK IV; hexokinase D, pancreatic isozyme; hexokinase type IV; hexokinase-4; hexokinase-D
UniProt Protein Name	Glucokinase
UniProt Gene Name	GCK
UniProt Synonym Gene Names	HK IV; HK4
UniProt Entry Name	HXK4_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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gck-antibody-immunohistochemistry-elisa/167841>