

Rabbit GCK Polyclonal Antibody | anti-GCK antibody

GCK antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA201096	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep	Western Blot

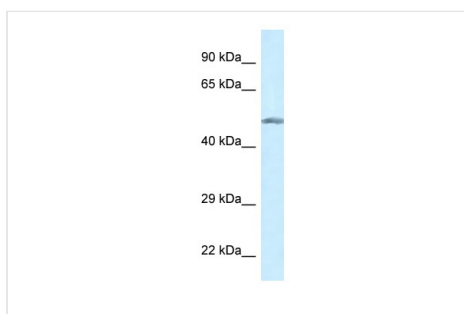
PRODUCT SYNONYMS

GCK; Polyclonal Antibody; GCK antibody - N-terminal region; anti-GCK antibody

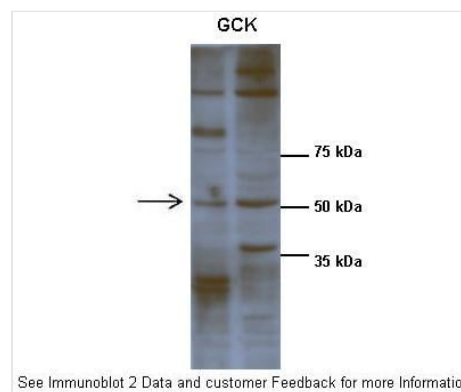
PRODUCT SPECIFICATIONS

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: RV MLVKVGE GEE GQWSVKTKHQ MYSIPEDAMT GTAEMLFDYI SECISDFL
Sequence Length	464
Applicable Applications for anti-GCK antibody	WB (Western Blot)
Homology	Cow: 93%; Dog: 100%; Guinea Pig: 100%; Horse: 93%; Human: 100%; Mouse: 93%; Rabbit: 100%; Rat: 100%; Sheep: 93%
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-GCK Antibody Titration: 1.0 ug/ml Positive Control: COLO205 Whole Cell


WB (Western Blot)

Lanes: 1: 50 ug HEP3B lysate, 2: 50 ug HEP3B lysate Primary Antibody Dilution: 1:1000 Secondary Antibody: Anti-rabbit-HRP Secondary Antibody Dilution: 1:1000 Gene Name: GCK Submitted by: Received from anonymous

ADDITIONAL INFORMATION

Related Product Information for anti-GCK antibody	This is a rabbit polyclonal antibody against GCK. It was validated on Western Blot Target Description: 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	Polyclonal; Neurobiology; Growth Factors & Hormones; Drugs and Drug Metabolism; Cardiovascular; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	15967161
NCBI GeneID	2645
NCBI Accession #	NP_277043
NCBI GenBank Nucleotide #	NM_033508
UniProt Accession #	P35557
Molecular Weight	51kDa
NCBI Official Full Name	glucokinase isoform 3
NCBI Official Synonym Full Names	glucokinase
NCBI Official Symbol	GCK
NCBI Official Synonym Symbols	GK; GLK; HK4; HHF3; HKIV; HXKP; LGLK; MODY2; FGQTL3
NCBI Protein Information	glucokinase
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-western-blot-elisa/201096>