

Mouse anti-Human GCK Monoclonal Antibody | anti-GCK antibody

GCK Monoclonal Antibody

CATALOG # AAA320086	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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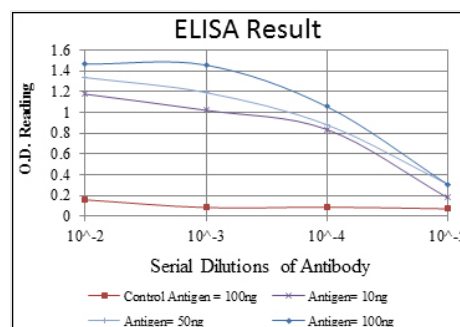
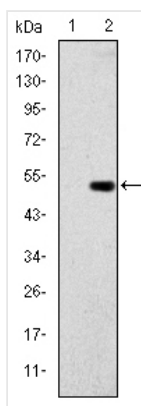
PRODUCT SYNONYMS

GCK; Monoclonal Antibody; GCK Monoclonal Antibody; Glucokinase; Hexokinase type IV; HK IV; Hexokinase-4; HK4; Hexokinase-D; anti-GCK antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Specificity	GCK Monoclonal Antibody detects endogenous levels of GCK protein.
Purity/Purification	Affinity purification
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Applicable Applications for anti-GCK antibody	ELISA, WB (Western Blot)
Immunogen	Purified recombinant fragment of human GCK expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



WB (Western Blot)

Western Blot analysis using GCK Monoclonal Antibody against HEK293 (1) and GCK-hlgGFc transfected HEK293 (2) cell lysate.

Application Data

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). [provided by RefSeq, Apr 2009]
Product Categories/Family for anti-GCK antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	547696
NCBI GeneID	2645
UniProt Accession #	P35557; Q05810; A4D2J2; A4D2J3
Molecular Weight	465
NCBI Official Full Name	Glucokinase
NCBI Official Synonym Full Names	glucokinase (hexokinase 4)
NCBI Official Symbol	GCK
NCBI Official Synonym Symbols	GK; GLK; HK4; HHF3; HKIV; HXKP; LGLK; MODY2; FGQL3
NCBI Protein Information	glucokinase; HK IV; hexokinase-4; hexokinase-D; hexokinase type IV; hexokinase D, pancreatic isozyme; ATP:D-hexose 6-phosphotransferase
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.