

Rabbit GCKR Polyclonal Antibody | anti-GCKR antibody

GCKR Antibody

CATALOG # AAA321109	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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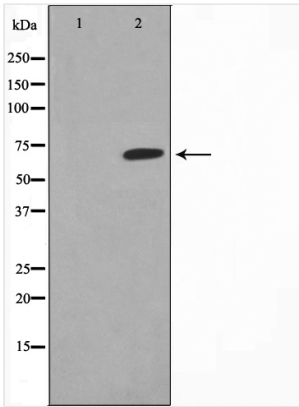
PRODUCT SYNONYMS

GCKR; Polyclonal Antibody; GCKR Antibody; FGQTL5; GCK; GCKR_HUMAN; GKRP; GLRE; glucokinase (hexokinase 4) regulator; Glucokinase; Glucokinase regulator; Glucokinase regulatory protein; Hexokinase 4 regulator; Hexokinase type IV; Hexokinase-4; Hexokinase-D; HK IV; HK4; OTTHUMP00000158533; anti-GCKR antibody

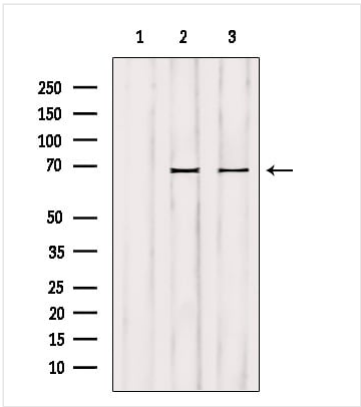
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GCKR antibody detects endogenous levels of GCKR
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	625
Applicable Applications for anti-GCKR antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human GCKR
Subcellular Location	Nucleus
Tissue Specificity	Found in liver and pancreas. Not detected in muscle, brain, heart, thymus, intestine, uterus, adipose tissue, kidney, adrenal, lung or spleen.
Predicted Cross Reactivity	Pig, Rabbit, Dog
Similarity	Pig (82%), Rabbit (91%), Dog (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis on mouse heart cell lysate using HELA Antibody, The lane on the left is treated with the antigen-specific peptide.



WB (Western Blot)
Western blot analysis of extracts from various samples, using GCKR Antibody. Lane 1: mouse lung treated with blocking peptide. Lane 2: mouse lung; Lane 3: HUVEC;

ADDITIONAL INFORMATION

Related Product Information for anti-GCKR antibody	Description: 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). Function: 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. Subunit Structure: Interacts (fructose 6-phosphate bound form) with GCK. Similarity: Fructose 1-phosphate and fructose 6-phosphate compete for the same binding site. Belongs to the GCKR family.
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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	Observed: 68 kDa Predicted: 69 kDa
NCBI Official Full Name	glucokinase regulatory protein
NCBI Official Synonym Full Names	glucokinase 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

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/gckr-antibody-western-blot-elisa/321109>