



Human GCKR blocking peptide (CDBP1346)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-GCKR antibody
Antigen 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).
Nature	Synthetic
Expression System	N/A
Species	Human
Species Reactivity	Human, Mouse, Rat
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Procedure	None
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

ANTIGEN GENE INFORMATION

Gene Name	GCKR glucokinase (hexokinase 4) regulator [Homo sapiens]
Official Symbol	GCKR
Synonyms	GCKR; glucokinase (hexokinase 4) regulator; glucokinase (hexokinase 4) regulatory protein; glucokinase regulatory protein; GKRP; FGQTL5;
Entrez Gene ID	2646
mRNA Refseq	NM_001486
Protein Refseq	NP_001477
UniProt ID	Q14397
Chromosome Location	2p23
Pathway	Glucose transport, organism-specific biosystem; Hexose transport, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of carbohydrates, organism-specific biosystem; Regulation of Glucokinase by Glucokinase Regulatory Protein, organism-specific biosystem; SLC-mediated transmembrane transport, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem;
Function	fructose-6-phosphate binding; protein binding; sugar binding;