

## GCKR Polyclonal Antibody

<b>Catalog No :</b>	YT1873
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	GCKR
<b>Gene Name :</b>	GCKR
<b>Protein Name :</b>	Glucokinase regulatory protein
<b>Human Gene Id :</b>	2646
<b>Human Swiss Prot No :</b>	Q14397
<b>Mouse Gene Id :</b>	231103
<b>Mouse Swiss Prot No :</b>	Q91X44
<b>Rat Gene Id :</b>	25658
<b>Rat Swiss Prot No :</b>	Q07071
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human Glucokinase Regulator. AA range:211-260
<b>Specificity :</b>	GCKR Polyclonal Antibody detects endogenous levels of GCKR protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Concentration :** 1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 68kD

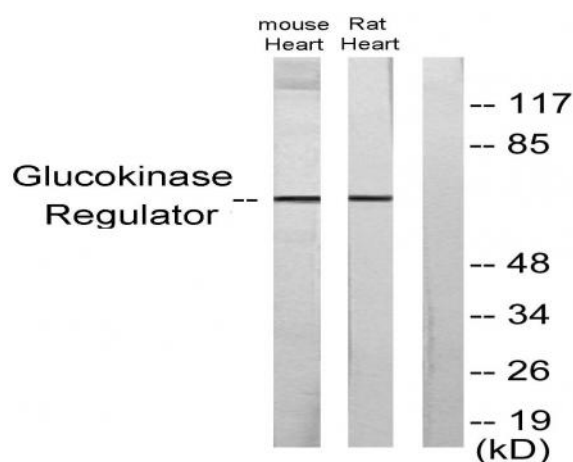
**Background :** This gene encodes a protein belonging to the GCKR subfamily of the SIS (Sugar ISomerase) family of proteins. The gene product is a regulatory protein that inhibits glucokinase in liver and pancreatic islet cells by binding non-covalently to form an inactive complex with the enzyme. This gene is considered a susceptibility gene candidate for a form of maturity-onset diabetes of the young (MODY). [provided by RefSeq, Jul 2008],

**Function :** function:Inhibits glucokinase by forming an inactive complex with this enzyme.,similarity:Belongs to the GCKR family.,similarity:Contains 1 SIS domain.,tissue specificity:Found in liver and pancreas. Not detected in muscle, brain, heart, thymus, intestine, uterus, adipose tissue, kidney, adrenal, lung or spleen.,

**Subcellular Location :** Cytoplasm . Nucleus . Mitochondrion . Under low glucose concentrations, GCKR associates with GCK and the inactive complex is recruited to the hepatocyte nucleus. .

**Expression :** Found in liver and pancreas. Not detected in muscle, brain, heart, thymus, intestine, uterus, adipose tissue, kidney, adrenal, lung or spleen.

## Products Images



Western blot analysis of lysates from mouse heart and rat heart cells, using Glucokinase Regulator Antibody. The lane on the right is blocked with the synthesized peptide.