

Rabbit Anti-GKRP/AP Conjugated antibody

SL2356R-AP

Product Name	Anti-GKRP/AP
Chinese Name	碱性磷酸酶（AP）标记的葡萄糖激酶调节蛋白抗体
Alias	FGQTL5; GCK; GCKR; GCKR_HUMAN; GKRP; GLRE; glucokinase (hexokinase 4) regulator; Glucokinase; Glucokinase regulator; Glucokinase regulatory protein; Hexokinase type IV; Hexokinase-4; Hexokinase-D; HK IV; HK4; OTTHUMP00000158533.
Research Area	Cardiovascular Cell biology immunology Diabetes
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse(predicted:Rat,Dog,Horse,Rabbit) WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	69kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human GKRP
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: GCKR is a subfamily member of the SIS (Sugar ISomerase) family of proteins. It 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.

Function:

Inhibits glucokinase by forming an inactive complex with this enzyme.

Tissue Specificity:

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

Similarity:

Belongs to the GCKR family.

Contains 2 SIS domains.

Database links:

UniProtKB/Swiss-Prot: Q14397.6

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.