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Product datasheet for CF502163

GCKR Mouse Monoclonal Antibody [Clone ID: OTI9G7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI9G7
Applications:	IF, WB
Recommended Dilution:	WB 1:2000, IF 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human GCKR (NP_001417) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	68.5 kDa
Gene Name:	glucokinase regulator
Database Link:	NP_001477 Entrez Gene 25658 RatEntrez Gene 231103 MouseEntrez Gene 2646 Human Q14397

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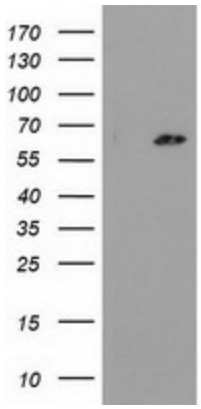
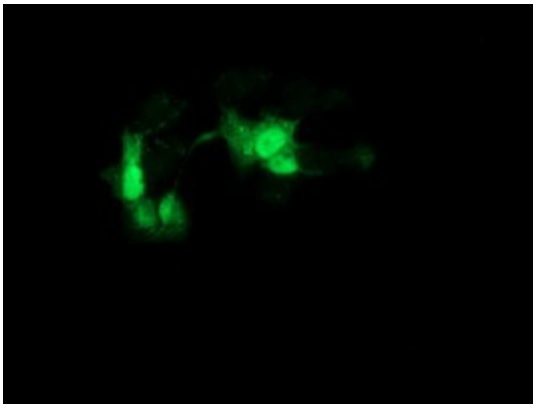
Background: This gene encodes a protein belonging to the GCKR subfamily of the SIS (Sugar ISomerase) family of proteins. The gene product is a regulatory protein that inhibits glucokinase in liver and pancreatic islet cells by binding non-covalently to form an inactive complex with the enzyme. This gene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

Synonyms: FGQTL5; GKRP

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GCKR ([RC214230], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GCKR. Positive lysates [LY400576] (100ug) and [LC400576] (20ug) can be purchased separately from OriGene.



Anti-GCKR mouse monoclonal antibody ([TA502163]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY GCKR ([RC214230]).