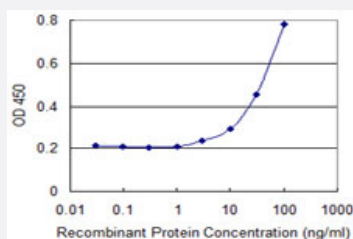


PKD2 monoclonal antibody (M02), clone 1G3

Catalog # H00005311-M02

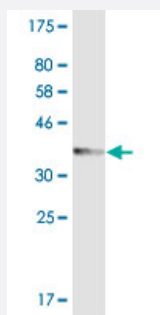
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PKD2 is 1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant PKD2.

Immunogen

PKD2 (NP_000288, 261 a.a. ~ 360 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

PVSKTEKTNFKTLSSMEDFWKFTEGSLLDGLYWKMQPSNQTEADNRSFIFYENLLLGVPRIQLR
VRNGSCSIPQDLRDEIKECYDVYSVSSSEDRAPFGP

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (94); Rat (94)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PKD2 is 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — PKD2

Entrez GeneID	5311
GeneBank Accession#	NM_000297
Protein Accession#	NP_000288
Gene Name	PKD2
Gene Alias	APKD2, MGC138466, MGC138468, PC2, PKD4
Gene Description	polycystic kidney disease 2 (autosomal dominant)
Omim ID	173910
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a member of the polycystin protein family. The encoded protein contains multiple transmembrane domains, and cytoplasmic N- and C-termini. The protein may be an integral membrane protein involved in cell-cell/matrix interactions. The encoded protein may function in renal tubular development, morphology, and function, and may modulate intracellular calcium homeostasis and other signal transduction pathways. This protein interacts with polycystin 1 to produce cation-permeable currents. Mutations in this gene have been associated with autosomal dominant polycystic kidney disease. [provided by RefSeq]

Other Designations

polycystin 2|polycystin

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Hypertension](#)
- [Kidney Failure](#)
- [Polycystic Kidney](#)
- [Polycystic kidney disease](#)
- [Tobacco Use Disorder](#)