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## NM\_000458.4(HNF1B):c.544+1G>A AND Renal cysts and diabetes ...

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### 6928 - Gene ResultHNF1B HNF1 homeobox B [ (human)]

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Loss of HNF1B in renal epithelial cells Results in Kidney Disease with Cysts. HNF1B gene rs4430796 G allele may be associated with increased risk of Gestational Diabetes. Additionally, women in HNF1B...

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Maturity-onset diabetes of the young, Mutations in the HNF1B gene cause maturity-onset diabetes of the young (MODY). MODY is a group of conditions characterized by abnormally high blood sugar that usuall...

#### HNF1B-associated renal and extra-renal disease—an ...

https://www.nature.com/articles/nrneph.2014.232

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Cited by: 179 Author: Rhian L Clissold, Alexander J Hamilton, An...
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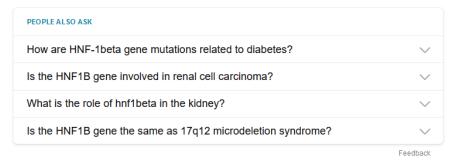
**Hepatocyte nuclear factor 1beta (HNF1beta)** is a transcription factor that is essential for the embryogenesis and development of the kidney, pancreas and liver. Case Report: severe hepatic phenotype of an **HNF1B** variant. In diagnosis of ovarian clear cell carcinoma, **HNF1beta** is highly sensitive but is suboptimally specific in isolation.

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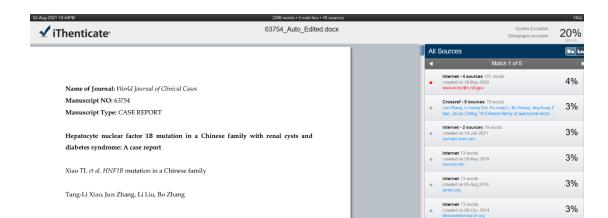
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Apr 28, 2015 · Maturity-onset **diabetes** of the young type 5 (MODY5), a type of dominantly inherited **diabetes** mellitus and nephropathy, has been associated with **mutations** of the **hepatocyte nuclear factor-1** (HNF-1 $\beta$ ) gene, mostly generating truncated protein. Various phenotypes are related to HNF-1 $\beta$  **mutations** 

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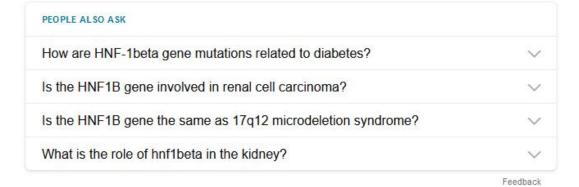
## https://www.ncbi.nlm.nih.gov/gene/6928

HNF-1beta gene mutations may be associated with nondiabetic renal dysfunction and diabetes in Chinese, but they are responsible for only a small percentage of early onset or multiple affected diabetes pedigrees including MODY.

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Author: Vu Chi Dung, Bui Phuong Thao, Can ... Publish Year: 2015