产品名称：PKD2 (phospho Ser812) Rabbit Polyclonal Antibody
产品货号：APRab05275

产品概述（Summary）

产品名称（Production Name）	PKD2 (phospho Ser812) Rabbit Polyclonal Antibody
描述（Description）	Rabbit polyclonal Antibody
宿主（Host）	Rabbit
应用（Application）	WB,IHC,ELISA
种属反应性（Reactivity）	Human,Mouse,Rat

产品性能（Performance）

偶联物（Conjugation）	Unconjugated
修饰（Modification）	Phosphorylated
同种型（Isotype）	IgG
克隆（Clonality）	Polyclonal
形式（Form）	Liquid
存放说明（Storage）	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液（Buffer）	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式（Purification）	Affinity purification

免疫原信息（Immunogen）

基因名（Gene Name）	PKD2
别名（Alternative Names）	PKD2; Polycystin-2; Autosomal dominant polycystic kidney disease type II protein; Polycystic kidney disease 2 protein; Polycystwin; R48321
基因 ID（Gene ID）	5311.0
蛋白 ID（SwissProt ID）	Q13563.The antiserum was produced against synthesized peptide derived from human PKD2 around the phosphorylation site of Ser812. AA range:778-827

产品应用（Application）

稀释比（Dilution Ratio）	WB 1:500-1:2000,IHC 1:50-1:300,ELISA 1:2000-1:20000

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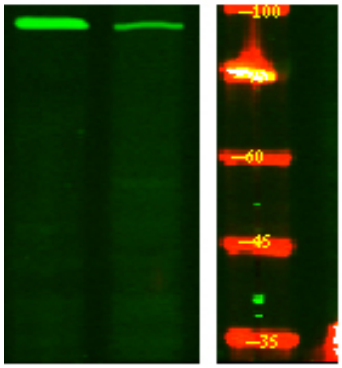
蛋白分子量（Molecular Weight）

研究背景（Background）

polycystin 2, transient receptor potential cation channel(PKD2) Homo sapiens This gene encodes a member of the polycystin protein family. The encoded protein is a multi-pass membrane protein that functions as a calcium permeable cation channel, and is involved in calcium transport and calcium signaling in renal epithelial cells. This protein interacts with polycystin 1, and they may be partners in a common signaling cascade involved in tubular morphogenesis. Mutations in this gene are associated with autosomal dominant polycystic kidney disease type 2. [provided by RefSeq, Mar 2011],disease:Defects in PKD2 are the cause of polycystic kidney disease autosomal dominant type 2 (ADPKD2) [MIM:173900]. ADPKD2 represents approximately 15% of the cases of ADPKD, a common genetic disease affecting about 1:400 to 1:1000 individuals. ADPKD is characterized by progressive formation and enlargement of cysts in both kidneys, typically leading to end-stage renal disease in adult life. Cysts also occurs in the liver and other organs. ADPKD2 is clinically milder than ADPKD1 but it has a deleterious impact on overall life expectancy.,domain:The C-terminal coiled-coil domain binds calcium and undergoes a calcium-induced conformation change. It is implicated in oligomerization and the interaction with PKD1.,function:Functions as a calcium permeable cation channel. PKD1 and PKD2 may function through a common signaling pathway that is necessary for normal tubulogenesis.,online information:Polycystin 2 - Not a C-type lectin,similarity:Belongs to the polycystin family.,similarity:Contains 1 EF-hand domain.,subunit:Forms homooligomers. Interacts with PKD1. PKD1 requires the presence of PKD2 for stable expression. Interacts with CD2AP.,tissue specificity:Strongly expressed in ovary, fetal and adult kidney, testis, and small intestine. Not detected in peripheral leukocytes.,

研究领域（Research Area）

图片（Image Data）



Western Blot analysis of Hela treated or untreated by LPS lysis, using primary antibody at 1:1000 dilution. Secondary antibody was diluted at 1:10000

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注意事项（Note）

For research use only .